

SERVICE MANUAL

DIGIMAX 101



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I . SPECIFICATIONS

1. Specifications

Image Sensor	Type	1/2 CMOS
	Effective Pixels	Approx. 1.3 Mega pixels
	Total Pixels	Approx. 1.4 Mega pixels
Lens	Focal Length	Samsung Lens f=9.0mm (35mm film equivalent : 46mm)
	F No.	F3.0
	Digital Zoom	STILL IMAGE : 2X , PLAY mode : 2X
Viewfinder	Optical Viewfinder	Optical viewfinder
	LCD Monitor	1.6" color TFT LCD
Focusing	Type	Fixed focus
	Range	1.0m ~ infinity
Shutter	Type	Electronic shutter
	Speed	1/15 ~ 1/2,000 sec..
Exposure	Control	Program AE
	Compensation	±2EV (0.5EV steps)
	ISO Equivalent	Automatic (100, 200)
Flash	Modes	Auto/ Auto & Red - eye reduction / Flash off
	Range	1.0 ~ 3.0 m
	Recharging Time	Approx. 10 sec.
White Balance		Auto / Daylight / Cloudy / Sunset / Tungsten / Fluorescent
Movie Clip		Size : 320x240 Recording time : Memory capacity dependent
Self-timer		10 sec.
Storage	Media	Internal memory : 8MB flash memory External memory (optional) : SD / MMC card (up to 256MB Guaranteed)
	File Format	Still image : JPEG(DCF), DPOF Movie Clip : AVI (MJPEG)
	Image Size	Large : 1280x1024 pixels, Small : 640x 512 pixe
	Capacity (8/16MB)	Large : Super fine 15, Fine 22, Normal 44 Small : Super fine 30, Fine 60, Normal 121 These figures are measured by internal memory based. These figures are measured under Samsung standard conditions and may vary depending on shooting conditions and camera settings.
Image Play		Single image / Thumbnails / Slide show / Movie Clip
Interface		Digital output connector : USB
		Video output : NTSC / PAL (User selectable)
		DC power input connector : 3.3V

I . SPECIFICATION

Power Source		2 x AA alkaline / 2 x Ni-MH / CR-V3 batteries AC adapter(Optional)
Dimensions (WxHxD)		108x56x37mm / 4.3x2.2x1.5in
Weight		Approx. 125g / 4.4oz (without batteries and card)
Software	Camera Driver	Storage Driver (Windows98/98SE/2000/ME/XP, Mac OS 8.6~10.2)
	Application	MGI PhotoSuite Digimax Viewer

2. System requirement

FOR WINDOWS

PC with processor better than MMX Pentium 266MHz
(XP : Pentium II 300MHz)
Windows 98/98SE/2000/ME/XP
Minimum 32MB RAM (XP : 128MB)
110MB of available hard-disk space
USB port
CD-ROM drive
800 X 600 pixels, 16-bit color display compatible monitor
(24-bit color display recommended)

FOR MACINTOSH

Power Mac G3 or later
Mac OS 8.6 ~ 10.2
Minimum 32MB RAM
110MB of available hard-disk space
USB port
CD-ROM drive
QuickTime 4.0 or later for Movie Clip

Specifications are subject to change without prior notice.

I. SPECIFICATION

4. TFT LCD Panel Mark

■ SHOT mode



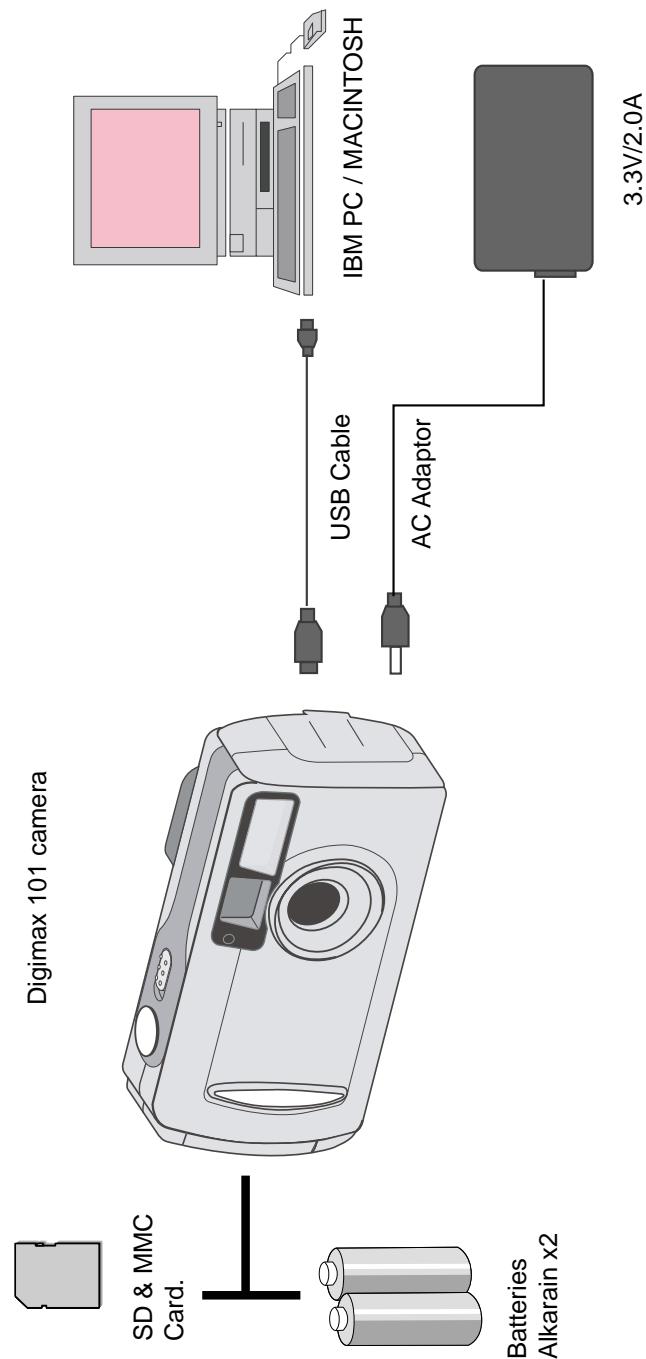
No.	Description	Icons
1	Battery	
2	Camera shake warning	
3	Flash	
4	Self-timer	
5	White balance	
6	Exposure compensation	+0.5 EV (Exposure Value)
7	Date	2002/09/01
8	Time	03:15
9	Card indicator	
10	Quality	
11	Image size	
12	Number of available shots remaining(still image)	0015
	Recording time(while recording a movie clip)	00:50
13	Message for canceling a movie clip recording	S1:STOP
14	Digital zoom	
15	Recording mode	

■ PLAY mode



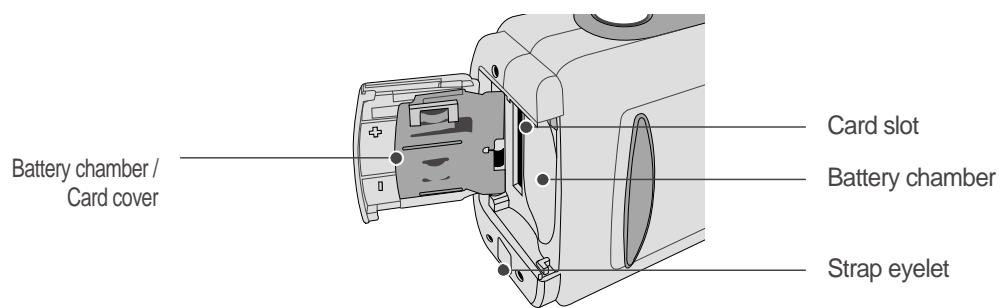
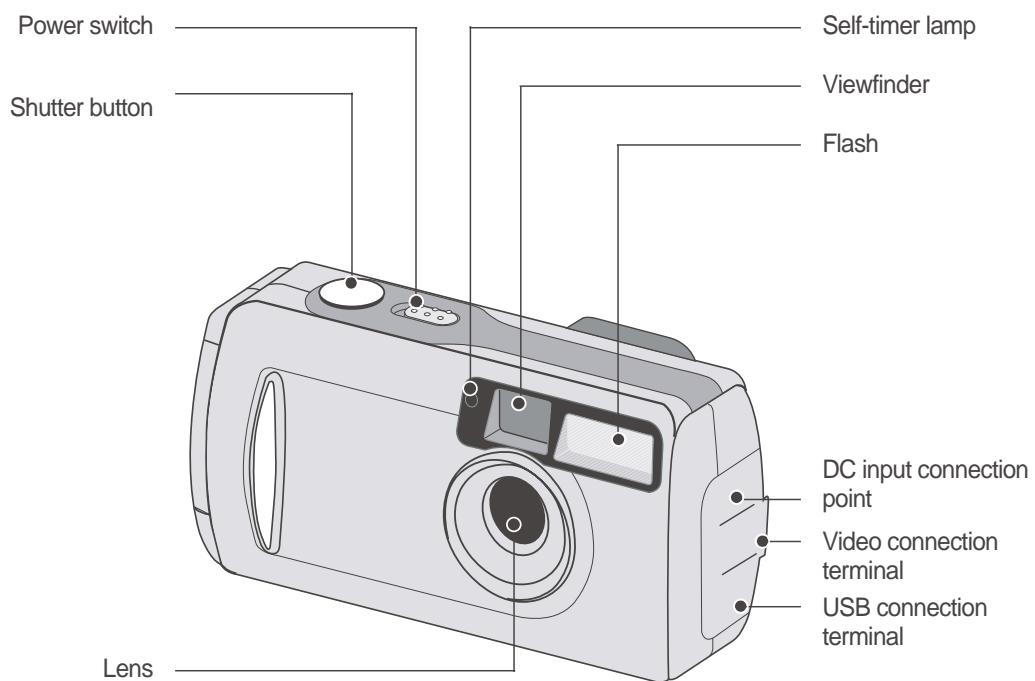
No.	Description	Icons
1	Battery	
2	Recording date	2002/09/01
3	Card indicator	
4	Number of stored images	100-0003

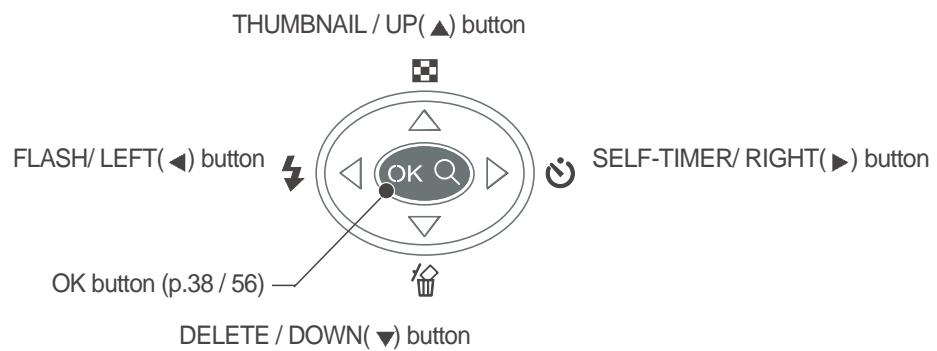
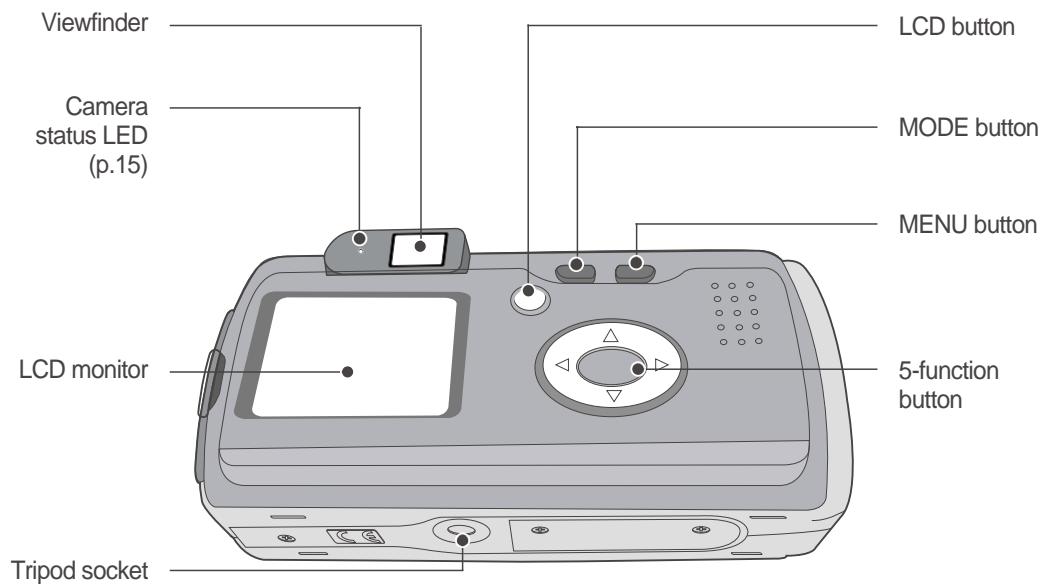
5. CONNECTION DIAGRAM



I . SPECIFICATION

6. Product Exterior



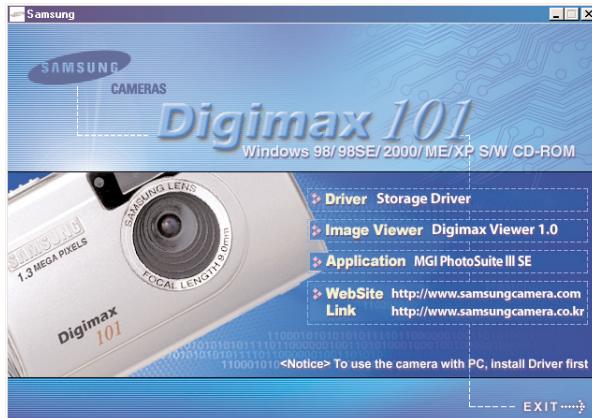


II . INSTALLATION

All application programs (Digimax Viewer 1.0 for viewing images, MGI PhotoSuite III SE for editing images, and DirectX 8.1 for playing back movie clips) will be installed.

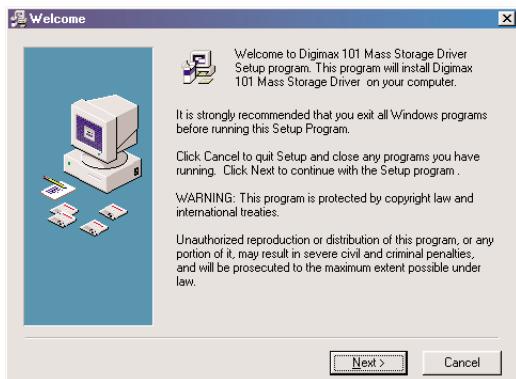
If you installed all application programs by clicking the [Driver Storage Driver], you need not install Digimax Viewer 1.0 and MGI PhotoSuite III SE separately.

1. Click [Storage Driver] menu on the Autorun frame.



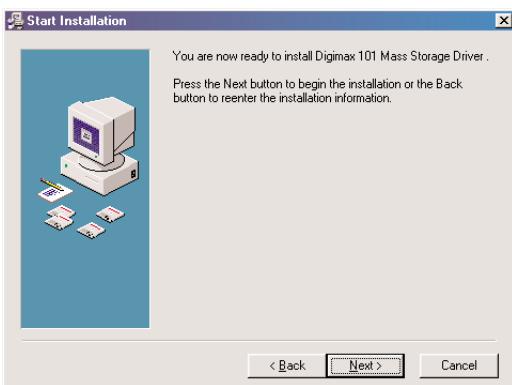
2. A [Welcome] window will open.

Click the [Next>] button.



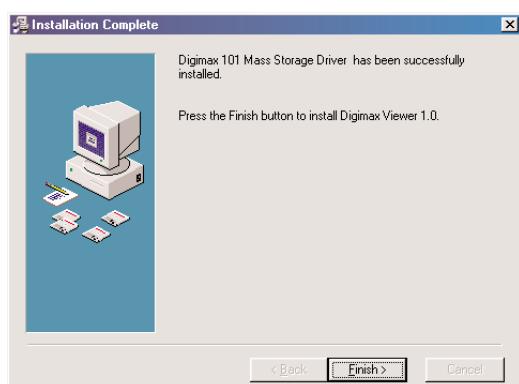
3. A [start Installation] window will open.

Click the [Next>] button.

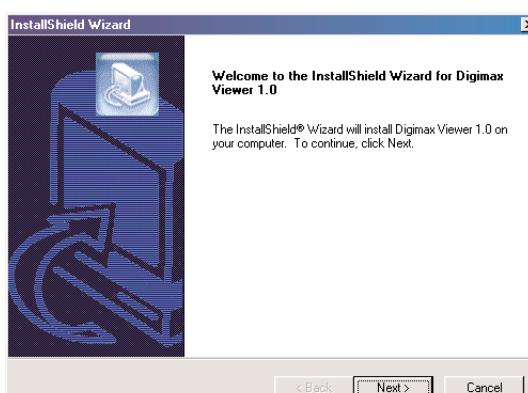


- If you select [Cancel] at the step 2, the camera driver installation will be cancelled and a window for installing Digimax Viewer 1.0 will be displayed.

4. Installation is complete. Click the [Finish] button and the [Digimax Viewer 1.0] installation will be started.



5. The [Digimax Viewer 1.0] installation window will be displayed as shown below. Click [Next] button.

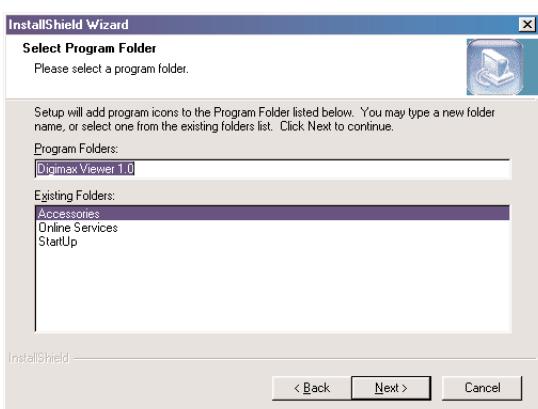


If you select [Cancel] at the step 5, the Digimax Viewer 1.0 installation will be cancelled and a window for installing MGI PhotoSuite III SE will be displayed.

6. The Software License Agreement window will display. If you agree to it, click [Yes].



8. Select the Program folder and click [Next].

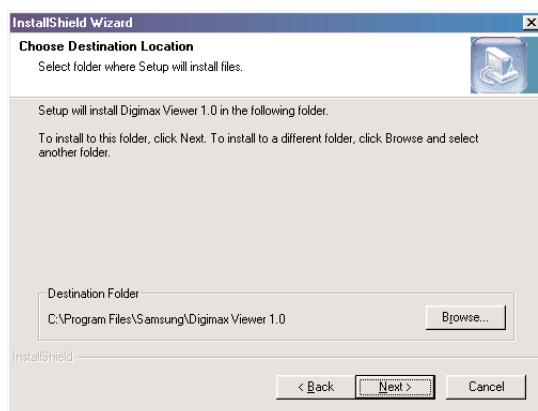


10. The [Choose Setup Language] window will open.
Select a language and click [OK] button.



If you select [Cancel] at the step 10, the MGI PhotoSuite III SE installation will be cancelled and a window for installing DirectX 8.1 will be displayed.

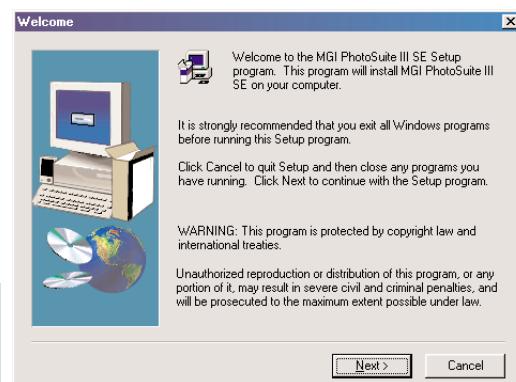
7. Select a destination folder and click [Next].



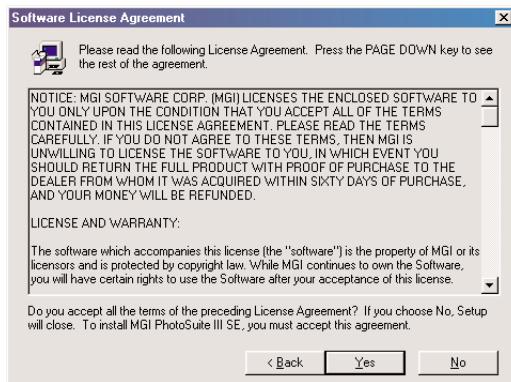
9. Installation is completed. Click [OK] button and the [MGI PhotoSuite III SE] installation will be started.



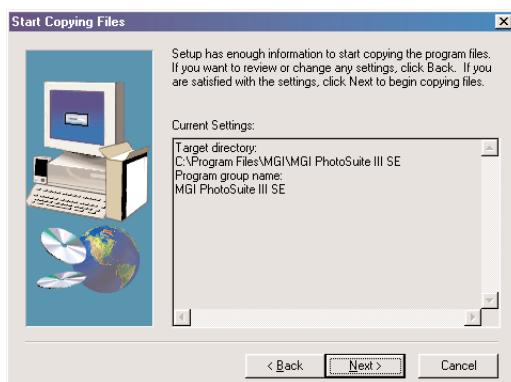
11. A [Welcome] window will be displayed. Click [Next>]
to move to the next step.



12. The Software License Agreement window will be displayed. If you agree to this, click [Yes] button.



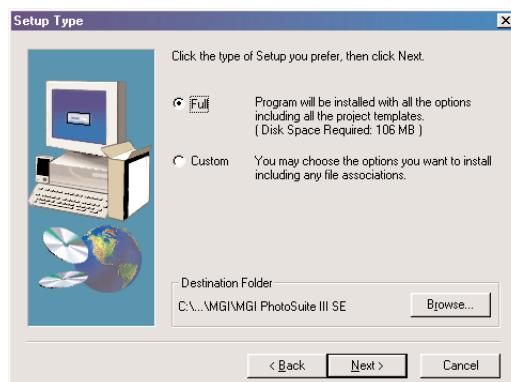
14. If the installation is completed correctly, the autoplay is registered automatically into the start menu program as shown below. Click [Next>] button.



15. The MGI Registration window will be displayed. Click the [Continue] button.



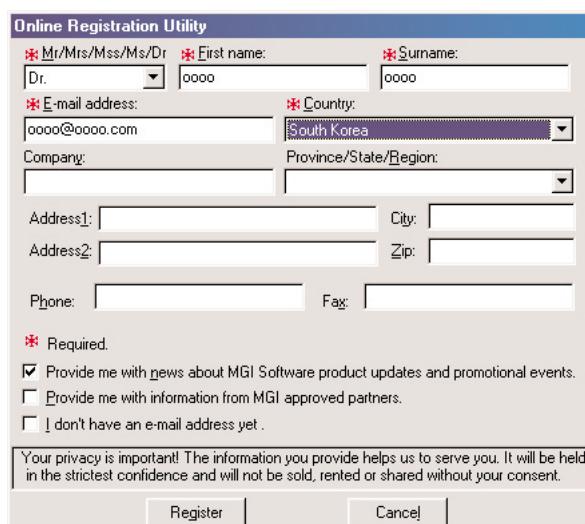
13. A [Setup Type] window will open. Select setup type and click [Next >] button.



According to your operating system, the window as shown below may be displayed. Should this be the case, click the [NO] button.



16. The [Online Registration Utility] window will be displayed. Fill in the blanks and click the [Register] button.



17. Installation is complete. Click the [Finish] button.



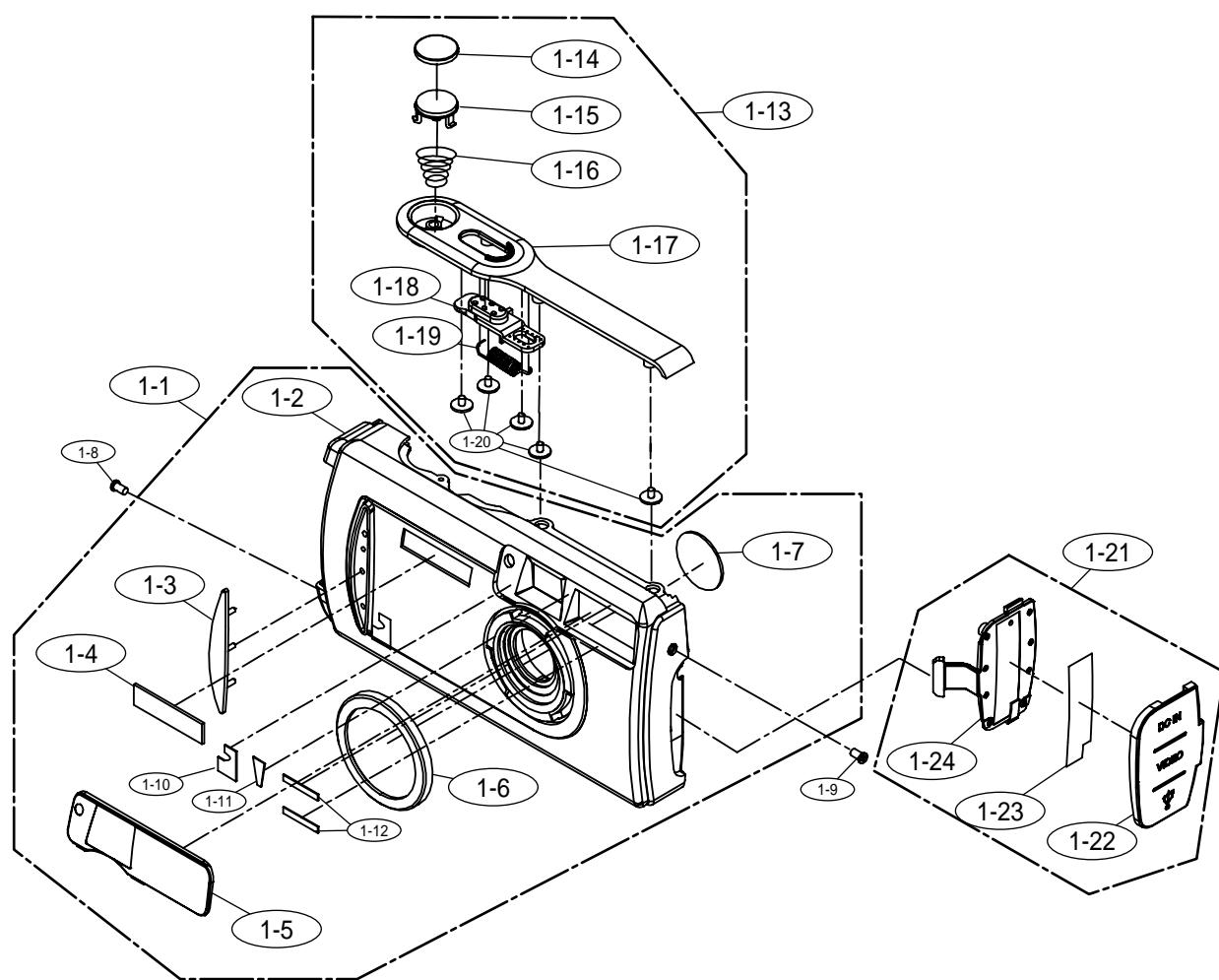
18. All application programs are installed correctly. Check [Yes, I want to restart my computer now.] button and click [Finish] button.



You must restart your computer after the installation, or your computer can't recognize the camera as a Removable disk.

III. EXPLODED VIEWS AND PARTS LIST

1. FRONT COVER ASSEMBLY



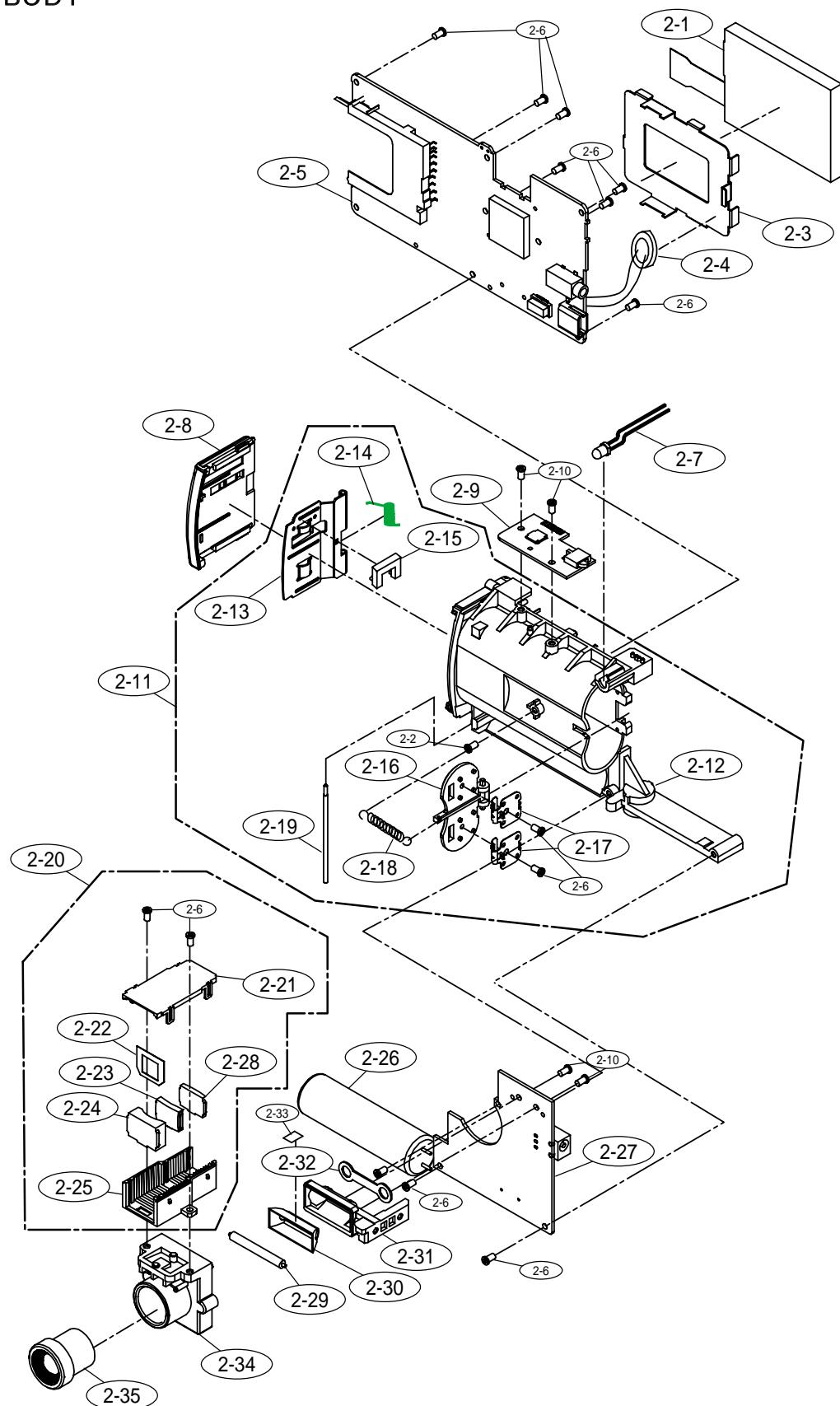
III . EXPLODED VIEWS AND PARTS LIST

► PARTS LIST

Fig.No.	Parts No.	Parts Name	Q'ty	Remarks
1-1	9007-1850-01A	FRONT COVER ASS'Y-KENOX DIGIMAX 101	1	
	9007-1851-01A	FRONT COVER ASS'Y-DIGIMAX 101	1	
1-2	7217-2708-01A	FRONT COVER-KENOX DIGIMAX 101	1	
	7217-2709-01A	FRONT COVER-DIGIMAX 101	1	
1-3	7217-2711-01A	GRIP	1	
1-4	7217-2710-01A	SAMSUNG LOGO	1	
1-5	7217-2730-01A	FLASH COVER	1	
1-6	7212-1700-01A	LENS RING	1	
1-7	7212-1699-01A	LENS COVER	1	
1-8	6003-0378-01A	SCREW	1	
1-9	6003-0377-01A	SCREW	1	
1-10	7409-1350-01A	FLASH COVER TAPE-A	1	
1-11	7409-1352-01A	FLASH COVER TAPE-C	1	
1-12	7409-1351-01A	FLASH COVER TAPE-B	2	
1-13	9007-1854-01A	TOP COVER ASS'Y	1	
1-14	7217-2722-01A	RELEASE COVER	1	
1-15	7217-2723-01A	RELEASE BUTTON	1	
1-16	6107-0522-01A	RELEASE BUTTON SPRING	1	
1-17	7217-2721-01A	TOP COVER	1	
1-18	7217-2724-01A	POWER BUTTON	1	
1-19	7217-2725-01A	POWER SP	1	
1-20	6003-0381-01A	SCREW	5	
1-21	9007-1852-01A	JACK COVER ASS'Y	1	
1-22	7217-2712-01A	JACK COVER	1	
1-23	7409-1356-01A	JACK COVER TAPE	1	
1-24	7217-2713-01A	INNER JACK COVER	1	

III. EXPLODED VIEWS AND PARTS LIST

2. BODY



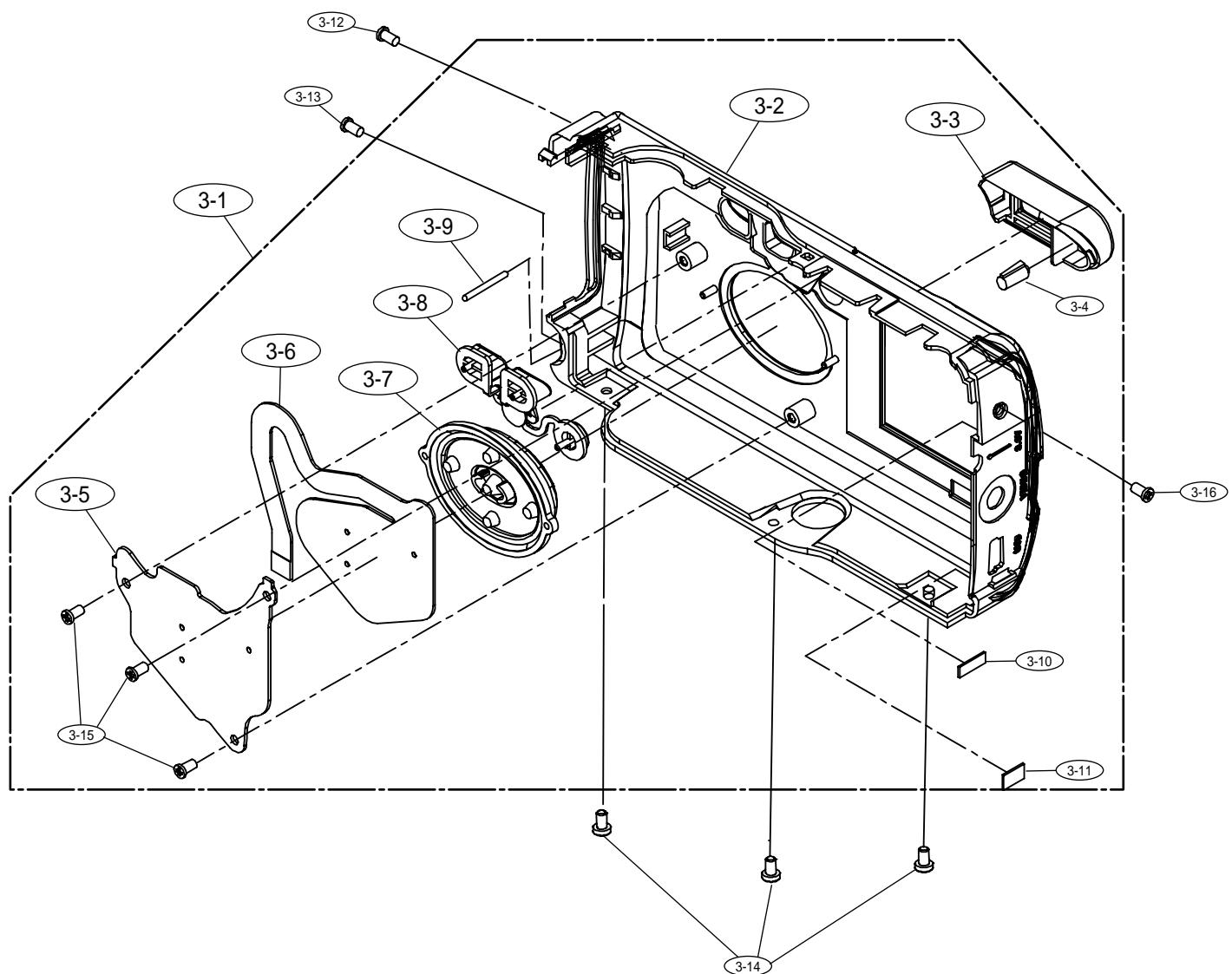
III . EXPLODED VIEWS AND PARTS LIST

► PARTS LIST

Fig.No.	Parts No.	Parts Name	Q'ty	Remarks
2-1	9008-0582-01A	LCD ASS'Y	1	
2-2	6003-0379-01A	SCREW	1	
2-3	7217-2728-01A	LCD HOLDER	1	
2-4	3002-0011-01A	BUZZER	1	
2-5	9008-0584-01A	MAIN BOARD ASS'Y	1	
2-6	6003-0382-01A	SCREW	14	
2-7	0601-0045-01A	LED	1	
2-8	7217-2729-01A	BATTERY COVER	1	
2-9	9008-0586-01A	SWITCH BOARD ASS'Y	1	
2-10	6003-0383-01A	SCREW	2	
2-11	9010-0486-01A	MAIN FRAME ASS'Y	1	
2-12	7204-0157-01A	MAIN FRAME	1	
2-13	7011-0432-01A	BATTERY PLATE	1	
2-14	6107-0520-01A	BATTERY OPEN SPRING	1	
2-15	7217-2714-01A	BATTERY CONNECTA	1	
2-16	7217-2715-01A	BATTERY BOTTOM COVER	1	
2-17	7011-0433-01A	BATTERY CONTACT-B	2	
2-18	6107-0521-01A	BATTERY SPRING	1	
2-19	7411-0961-01A	BATTERY PIN	1	
2-20	9003-0196-01A	VIEW FINDER ASS'Y	1	
2-21	7213-0332-01A	VIEW FINDER COVER	1	
2-22	7213-0333-01A	VIEW FINDER MASK	1	
2-23	6723-0018-01A	VIEW FINDER LENS-2	1	
2-24	6723-0020-01A	VIEW FINDER LENS-1	1	
2-25	7213-0334-01A	VIEW FINDER HOLDER	1	
2-26	2501-0003-01A	MAIN CONDENSER	1	
2-27	9008-0585-01A	POWER BOARD ASS'Y	1	
2-28	6723-0019-01A	VIEW FINDER LENS-3	1	
2-29	4719-0012-01A	XE TUBE	1	
2-30	7012-0753-01A	FLASH REFECTOR	1	
2-31	7217-2726-01A	FLASH HOLDER	1	
2-32	7309-0389-01A	TUBE HOLDER RUBBER	1	
2-33	7409-1355-01A	COPPER TAPE	1	
2-34	7212-1701-01A	LENS HOLDER	1	
2-35	9010-0487-01A	LENS ASS'Y	1	

III. EXPLODED VIEWS AND PARTS LIST

3. BACK COVER



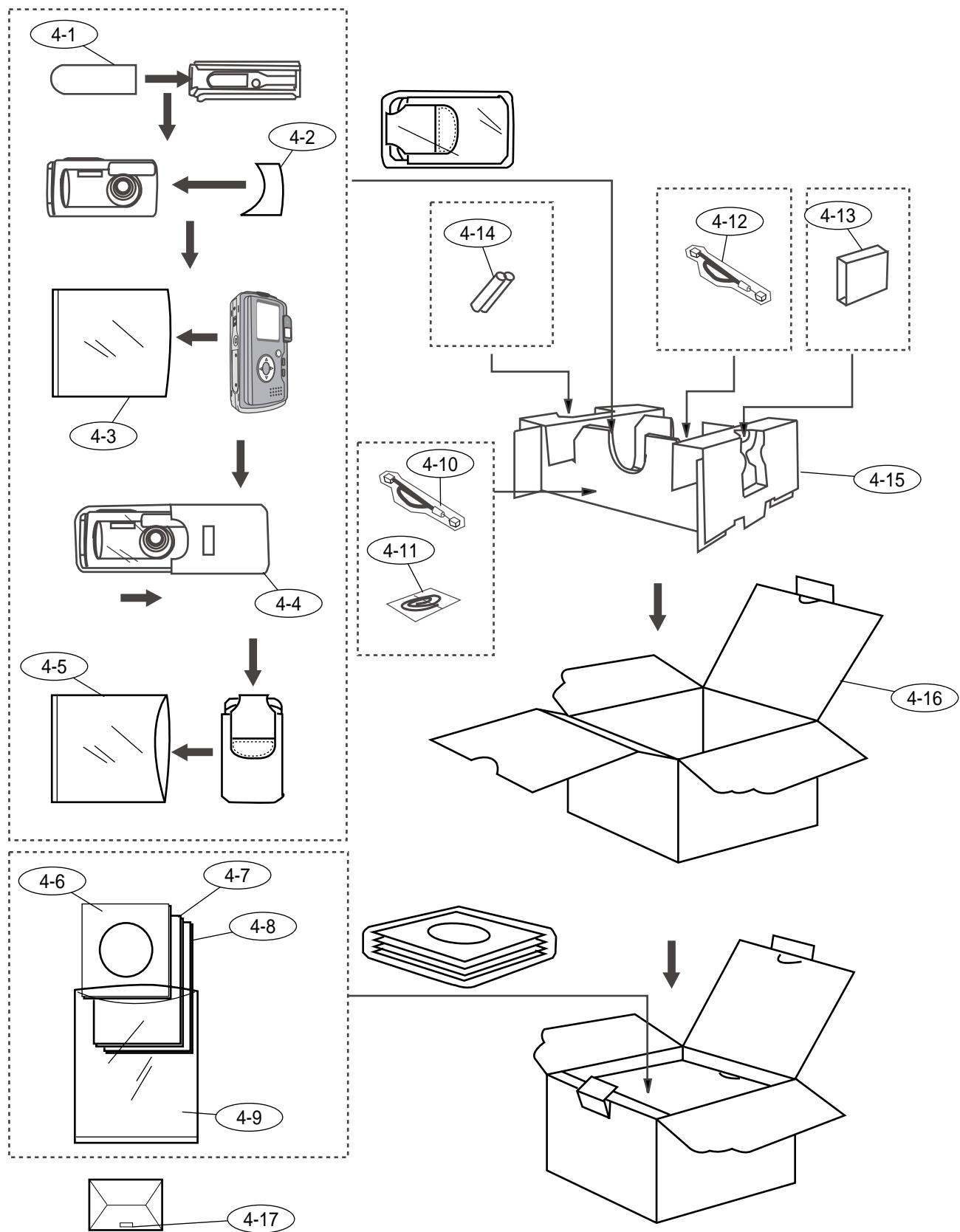
III . EXPLODED VIEWS AND PARTS LIST

► PARTS LIST

Fig.No.	Parts No.	Parts Name	Q'ty	Remarks
3-1	\9007-1853-01A	REAR COVER ASS'Y	1	
3-2	7217-2716-01A	BACK COVER	1	
3-3	7217-2717-01A	VF BACK COVER	1	
3-4	7217-2720-01A	READY LED WINDOW	1	
3-5	7217-2727-01A	MODE PLATE	1	
3-6	9008-0583-01A	FPC BOARD ASS'Y	1	
3-7	7217-2719-01A	MODE KEY(5-WAY BUTTON)	1	
3-8	7217-2718-01A	SELECT KEY	1	
3-9	7411-0962-01A	STRAP PIN	1	
3-10	7409-1353-01A	JACK PLATE-A	1	
3-11	7409-1354-01A	JACK PLATE-B	1	
3-12	6003-0379-01A	SCREW	1	
3-13	6003-0378-01A	SCREW	1	
3-14	6003-0380-01A	SCREW	3	
3-15	6003-0382-01A	SCREW	3	
3-16	6003-0377-01A	SCREW	1	

III. EXPLODED VIEWS AND PARTS LIST

4. PACKING ITEM



III . EXPLODED VIEWS AND PARTS LIST

► PARTS LIST

Fig.No.	Parts No.	Parts Name	Q'tY	Remarks
4-1	7409-1300-01A	FCC LABEL(MADE IN CHINA)	1	
	7409-1301-01A	FCC LABEL(MADE BY SAMSUNG)	1	
	7409-1302-01A	MIC LABEL_KENOX D 101	1	
4-2	6804-0443-01A	PRODUCT STICKER	1	
4-3	P960-2101-01A	PE BAG(FOR CAMERA)	1	
4-4	6904-0236-01A	POUCH	1	
4-5	6901-1693-01A	G/T BOX_KENOX_D 101_KOR	1	
	6901-1694-01A	G/T BOX_DIGIMAX 101	1	
	6901-1695-01A	G/T BOX_USA/CAN	1	
4-6	4609-0038-01A	DRIVER + MGI PHOTOSUITE(E/F/G/S/I/DUT/P)	1	
	4609-0039-01A	DRIVER + MGI PHOTOSUITE(E/JPN/T.C/S.C/KOR)	1	
4-7	6807-0026-01E	WARRANTY CARD_KOR	1	
	6807-0030-03O	WARRANTY CARD	1	
	6807-0038-02D	WARRANTY CARD_UK	1	
	6807-0109-02B	WARRANTY CARD_RUS	1	
	6807-0113-01A	WARRANTY CARD_CHI	1	
	6807-0095-02D	CARD PRODUCT_MEXICO	1	
4-8	6806-1368-01A	USER MANUAL_KENOX_D 101	1	
	6806-1369-01A	USER MANUAL_ENG	1	
	6806-1370-01A	USER MANUAL_GER	1	
	6806-1371-01A	USER MANUAL_FRA	1	
	6806-1372-01A	USER MANUAL_SPA	1	
	6806-1373-01A	USER MANUAL_ITA	1	
	6806-1374-01A	USER MANUAL_CHI(T)	1	
	6806-1375-01A	USER MANUAL_DUT	1	
	6806-1376-01A	USER MANUAL_POR	1	
	6806-1377-01A	USER MANUAL_SWE	1	
	6806-1378-01A	USER MANUAL_DEN	1	
	6806-1379-01A	USER MANUAL_FIN	1	
	6806-1380-01A	USER MANUAL_RUS	1	
	6806-1381-01A	USER MANUAL_CHI(S)	1	
4-9	6909-0116-01A	PE BAG(FOR ACCESSORY)	1	
4-10	3801-0016-01A	USB CABLE	1	
4-11	7409-1217-01A	STRAP	1	
4-12	4602-0004-01A	SD CARD_16MB	1	
	4602-0005-01A	SD CARD_32MB	1	
4-13	4301-0018-01A	BATTERY	1	
4-14	6901-1692-01A	INNER PAD	1	
	6806-1427-01A	QUICK GUIDE_KOR	1	
	6807-0110-01A	CARD_NETHERLAND(DIGITAL CAMERA)	1	
	6807-0108-01A	U.K_VOUCHER	1	
	6804-0063-01G	A/S STICKER_KOR	1	
	6804-0088-01A	SECURITY STICKER_USA	1	
	6804-0377-01A	TECH/SUPPORT(DSC_USA)	1	
	7409-0637-01A	SAFETY RUSSIA	1	

III. EXPLODED VIEWS AND PARTS LIST

5. INITIAL PARTS LIST

NO	PARTS NO.	PARTS NAME	SPEC	PAGE
1	9007-1850-01A	FRONT COVER ASS'Y	KENOX DIGIMAX 101	14
2	9007-1851-01A	FRONT COVER ASS'Y	DIGIMAX 101	14
3	9007-1853-01A	REAR COVER ASS'Y		18
4	7217-2729-01A	BATTERY COVER		16
5	9007-1852-01A	JACK COVER ASS'Y		14
6	9007-1854-01A	TOP COVER ASS'Y		14
7	7217-2730-01A	FLASH COVER		14
8	9008-0582-01A	LCD ASS'Y		16
9	9010-0487-01A	LENS MODULE		16
10	9003-0196-01A	VIEW FINDER ASS'Y		16
11	9008-0583-01A	FPC BOARD		18
12	9008-0585-01A	POWER BOARD		33
13	9008-0586-01A	SWITCH BOARD		35
14	3601-0005-01A	FUSE		33
15	3722-0015-01A	AC JACK		34
16	3409-0012-01A	SWITCH(MODE, MENU)		32
17	2601-0011-01A	TRANSFOMER		33
18	2604-0019-01A	TIGGER COIL		33
19	3722-0013-01A	USB JACK		31
20	3722-0014-01A	VIDEO JACK		31
21	3408-0010-01A	Shutter SWITCH		35
22	7217-2722-01A	RELEASE COVER		14
23	7217-2723-01A	RELEASE BUTTON		14
24	6107-0522-01A	RELEASE BUTTON SPRING		14
25	7217-2724-01A	POWER BUTTON		14
26	4719-0012-01A	XE TUBE		16
27	7012-0753-01A	FLASH REFLECTOR		16
28	7217-2726-01A	FLASH HOLDER		16
29	7217-2715-01A	BATTERY BOTTOM COVER		16
30	6107-0520-01A	BATTERY OPEN SPRING		16
31	7204-0150-01A	MAIN FRAME		16
32	7217-2719-01A	5-WY BUTTON		18
33	4602-0008-01A	SD CARD SOCKET		31
34	7217-2725-01A	POWER BUTTON SPRING		14
35	1407-0008-01A	IGBT		34
36	3408-0009-01A	POWER SWITCH		35

N. ADJUSTMENT

1. Replacement Parts and Adjustment Items

Digimax 101 requires electrical adjustments when certain parts are replaced.

The table below indicates the adjustments required for the respective part replacements.

	Main board	Strobo board	Switch board	Lens module	TFT LCD
Update Firmware	○				
AWB adjustment	○				
Focus adjustment	○			○	
Bad pixel adjust.	○				
Trig adjustment	○	○			
Strobo adjustment	○	○			
LCD adjustment	○				○
Burnin check	○	○	○	○	○

2. Adjustment Tools

The following tools are required for electrical adjustment.

	Program	Equipment	Chart
Update Firmware	Firmware		
AWB adjustment		Light source 5100°K	
Focus adjustment		TV Monitor	Focus chart
Bad pixel adjust.	SDC1071	Light source 5100°K	
Trig adjustment		AE Tester LV 6.8/7.0/7.2	
Strobo adjustment			Gray reflector
LCD adjustment		Osilloscope	
Burnin check			

► Program

Please contact to our website (www.ssa.net) and download the each programs.

- Firmware : Latest version
- Bad pixel adjustment : SDC1071 and SUNAP0916

► Equipment

- Light source
- AE Tester : Adjust at LV 7.0 and check the flash on at LV 6.8, or flash off at LV 7.2.
- Others : Osilloscope, TV monitor

► Chart

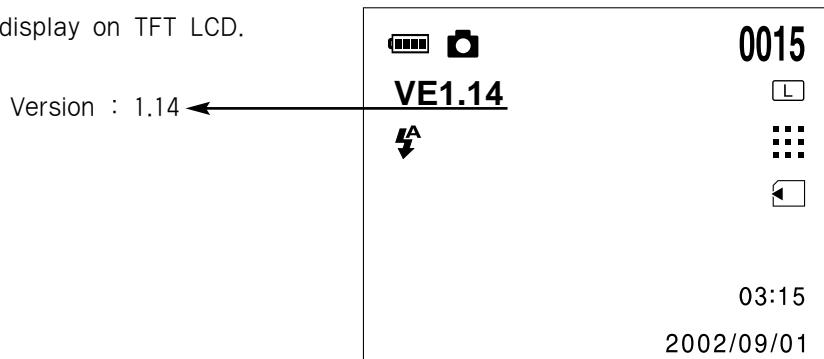
- Focus chart : Please contact to our website (www.ssa.net) and print the focus Chart on the paper from the "101CHART.pdf"
- Gray chart : Standard 31% Gray Chart.

IV. ADJUSTMENT

3. Firmware Update

1) Firmware version check method

- Turn the power on, at the same time pressing LCD button of camera, MENU button and OK button.
- Firmware version will display on TFT LCD.



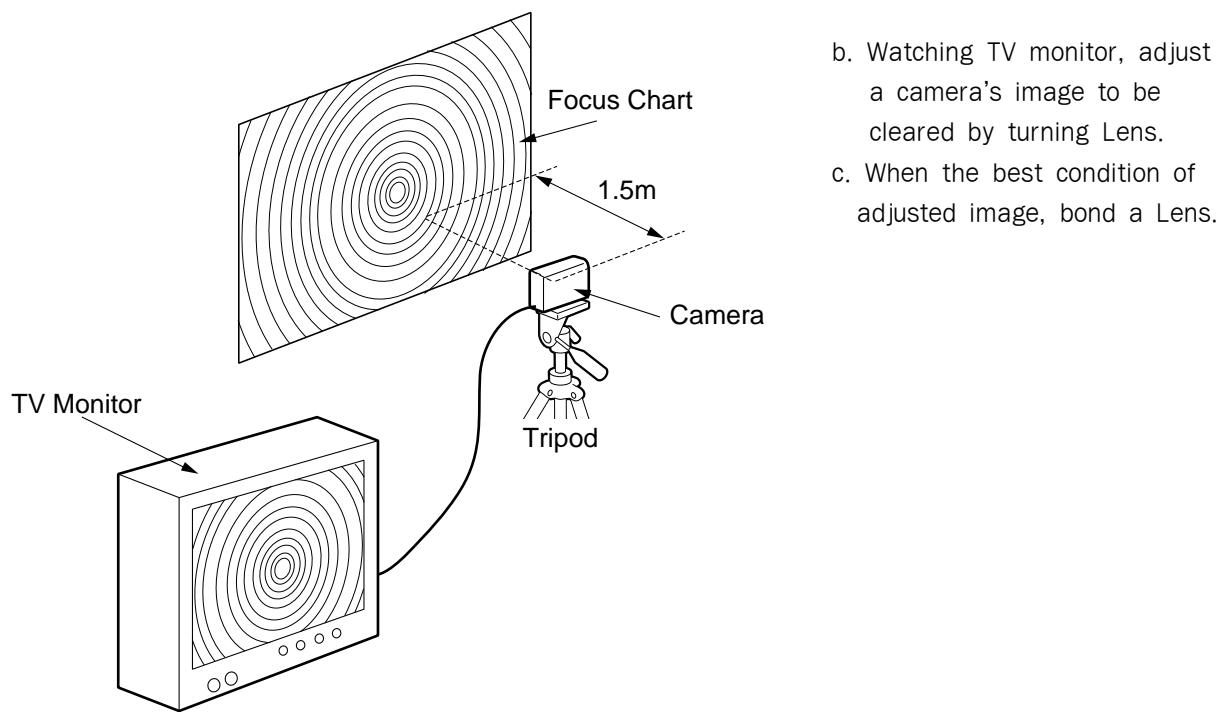
2) Firmware upgrade method

- Download the newest Firmware to SD card..
- If you insert SD card to camera and turn the power on, red LED will on.
- Firmware will update automatically and after 2~3 minutes, camera will be OFF automatically with beep sound. (In case of lots of change Data, it may take over 5 minutes.)
- Check the normal update of Firmware.

4. Adjustment method for each item.

1) Focus adjustment

- Set up a camera like below picture.(Download a Focus chart from ssa.net)

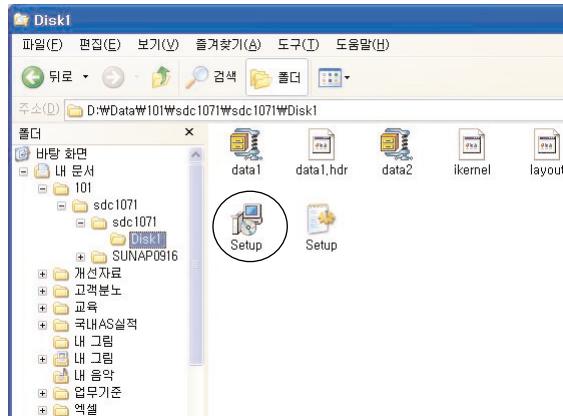


- Watching TV monitor, adjust a camera's image to be cleared by turning Lens.
- When the best condition of adjusted image, bond a Lens.

2) Bad pixel adjustment and inspection

- Contact to our website (www.ssa.net) and download the each programs.
- Run the adjusting program.

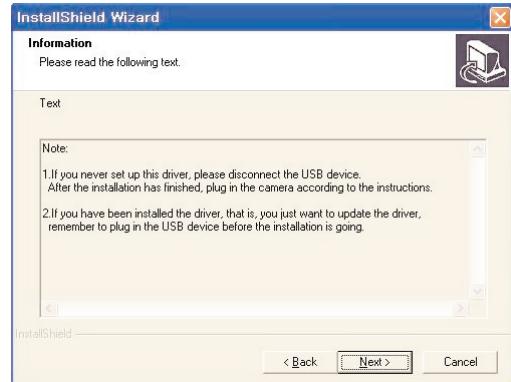
* How to install the adjusting program



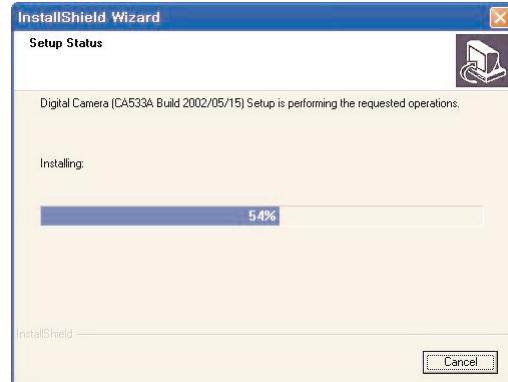
- Double click the setup.exe in the SDC1071 folder.



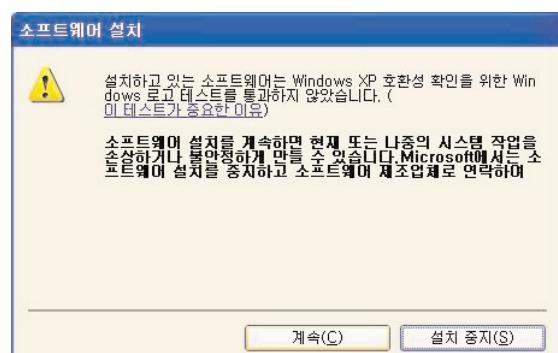
- A [Welcome] window will open
Click the [Next>] button..



- Click [Next].



- Click [Next].



- The warning message will appear when installing the driver, please click the continue anyway button.

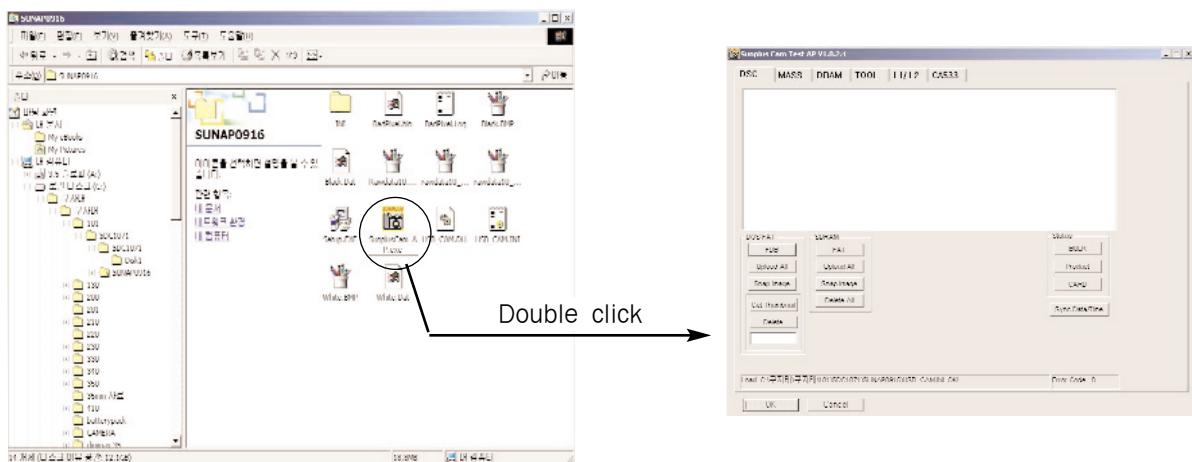


- Finish

IV. ADJUSTMENT

c. After finishing a setup, run a adjustment program for Bad pixel.

(Running program is in SUNAP0916 folder and if you doouble-click SunplusCam_AP.exe, adjustment program will run.)



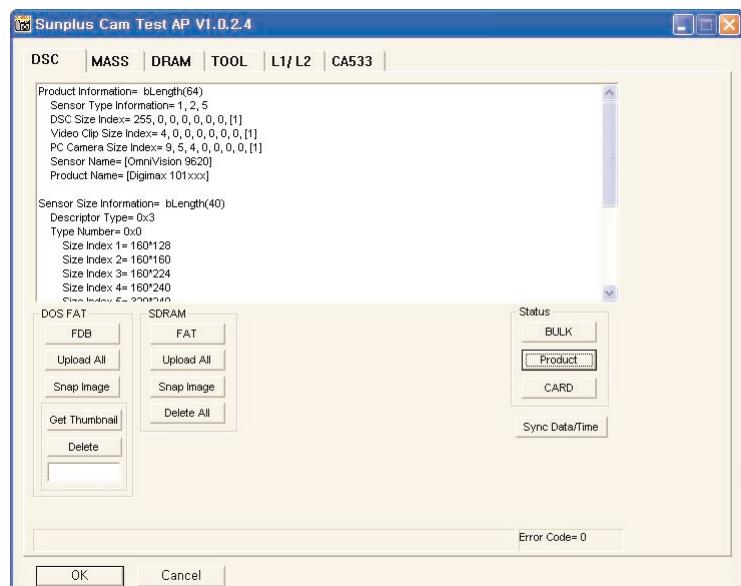
d. After running an adjustment program, set a camera to Light source like below picture.

When setting, Turn the power on, at the same time pressing LCD button of camera, MENU button and OK button.



e. After connecting a camera, if you click a Product button, Product information window will appear like side.

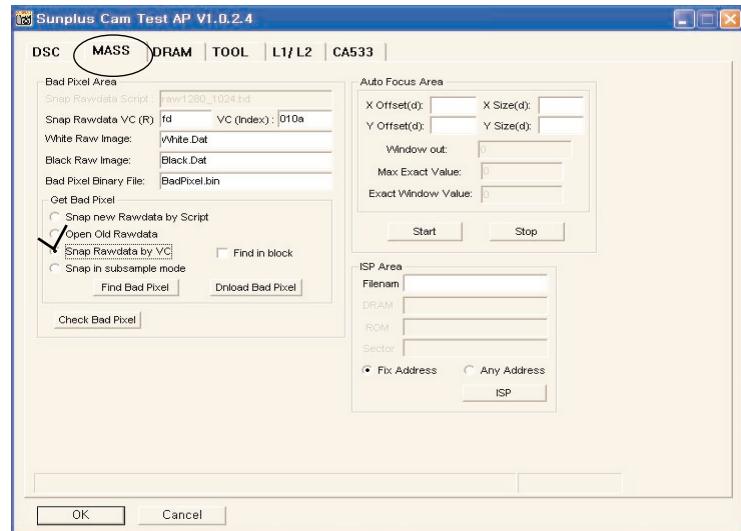
If it doesn't appear, after disassembling a camera, connect it from first step and run it.



IV. ADJUSTMENT

f. If a Product information will display, control a camera through MASS in upper menu,

g. After checking Snap Rawdata by VC, press a Find Bad Pixel button and test a Bad pixel.

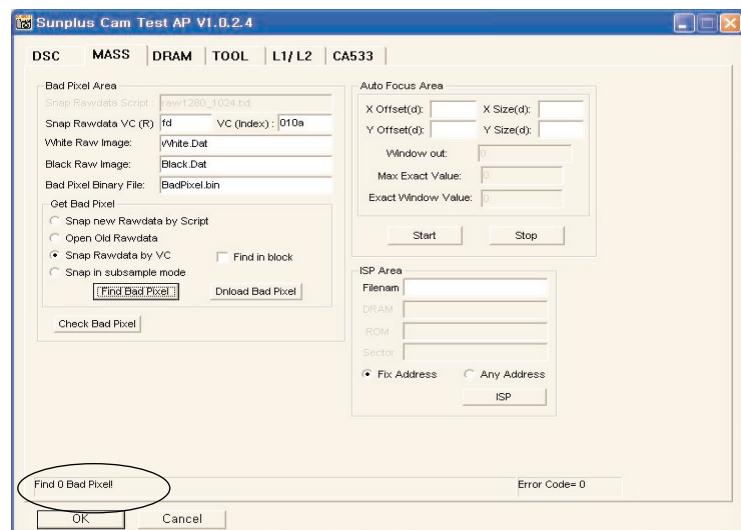


h. When finishing a Bad pixel test, the message window about "put a camera to Black image" will appear.

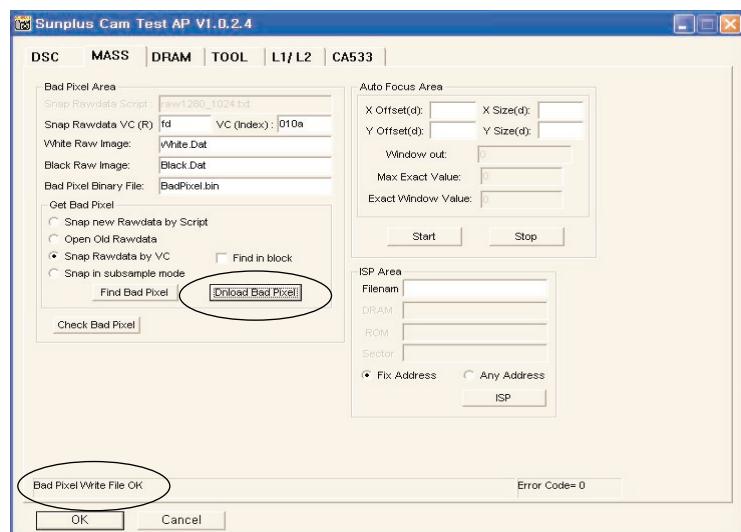


i. At this time, after covering a camera with hand or black thing, click "OK(Confirm)" button.

j. After finishing a Bad pixel test, "Find 0 Bad pixel!" will appear. If the number of Bad pixel is over 256, this camera had bad quality. (In this kind of case, CMOS exchange is needed.)



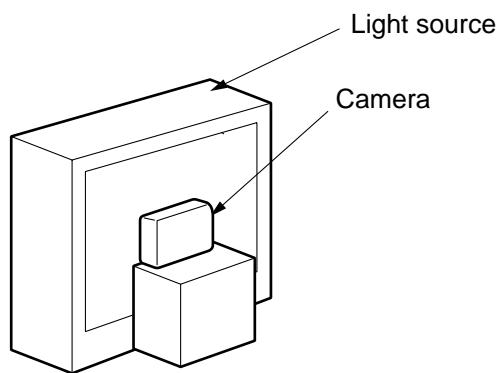
k. When finishing a Bad pixel test, after displaying "Find 0 Bad pixel!", if you press Download bad pixel, in low position of Camera, "Bad Pixel Write File OK" will appear. Adjustment and test are done.



IV. ADJUSTMENT

3) AWB adjustment

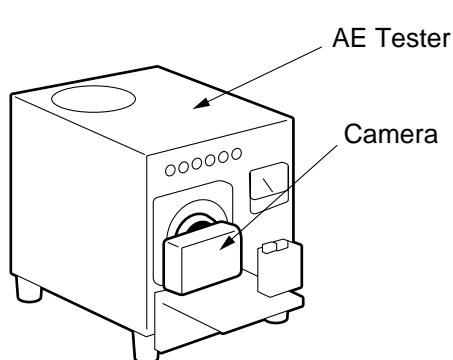
- a. Turn the power on, at the same time pressing LCD button of camera, MENU button and OK button. (TEST MODE)
- b. Set up a camera like below picture.



- c. In TEST mode, change it to Movie mode by pressing Mode button.
- d. In Movie mode of TEST mode, if you press Right button, AWB adjustment will progress automatically.
- e. When finishing an adjustment, "OK" will appear on LCD.

4) TRIG adjustment

- a. Turn the power on, at the same time pressing LCD button of camera, MENU button and OK button. (TEST MODE)
- b. Put a AE Tester to LV 7.0 and set up a camera like below picture.



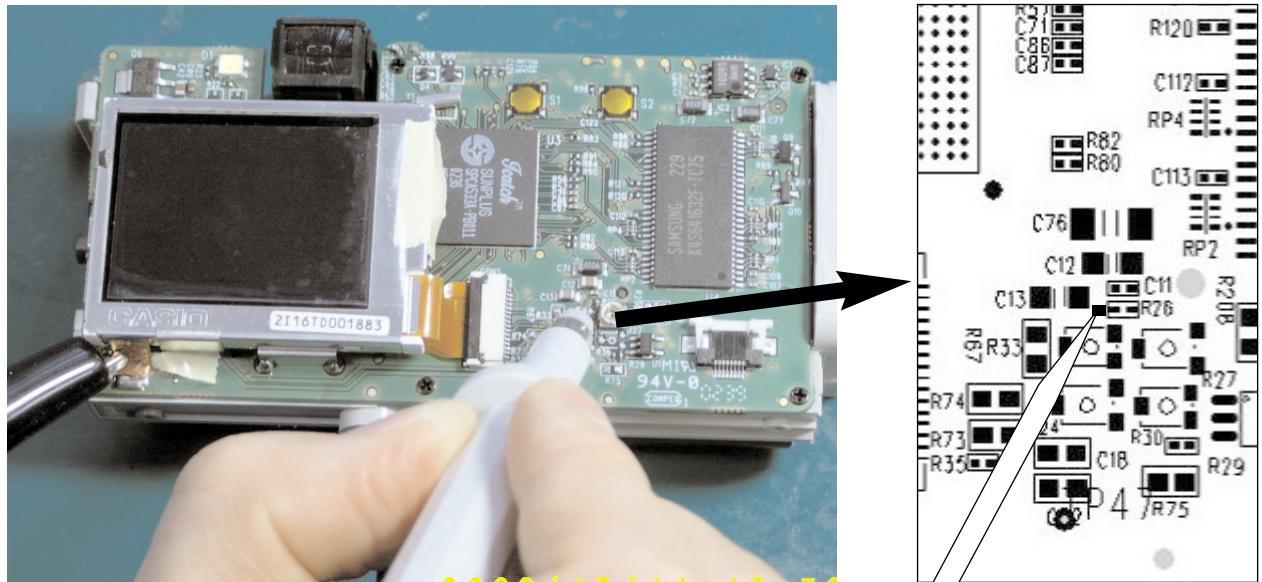
- c. In TEST mode, change it to Movie mode by pressing Mode button.
- d. In Movie mode of TEST mode, if you press Down button, Trig adjustment will progress automatically.
- e. When finishing an adjustment, it will radiate in LV 6.8 and if it doesn't radiate in LV 7.2, the adjustment is finished.

LV	FLASH
LV 6.8	ON
LV 7.0	Adjust
LV 7.2	OFF

IV. ADJUSTMENT

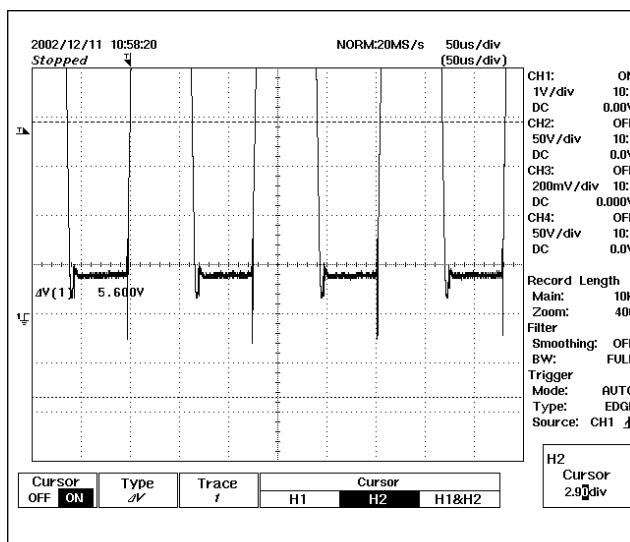
5) TFT LCD adjustment

- Disassemble Front cover and Rear cover of camera.
- Turn on the power of camera. (recommended to use Adapter)
- Connect a oscilloscope like below picture.
- Connect a GND to GND of TFT LCD and make Check to be positioned left side of R26.

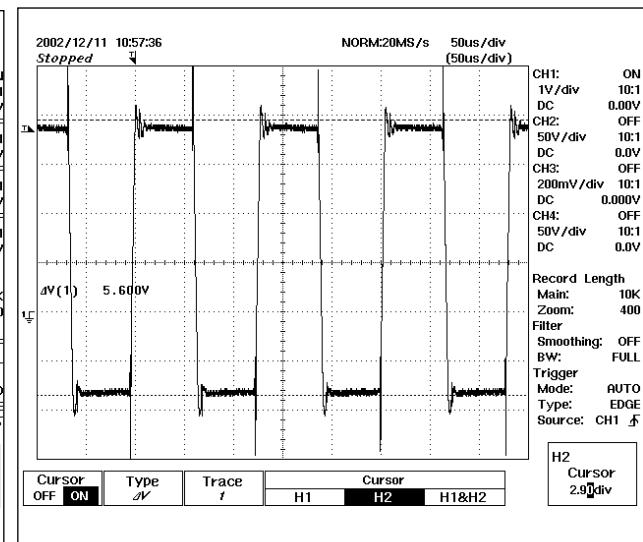


[Fig. no. 1]

- At this time, adjust the output signal by +3.9V, -1.7V..



[Fig. no. 2]

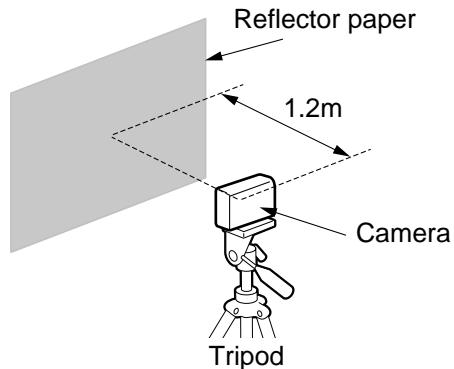


[Fig. no. 3]

- When finishing an adjustment, assemble a Cover.

IV. ADJUSTMENT

- 6) STROBO adjustment
 - a. Fix a Reflector chart on the wall..
 - b. Turn the power on, at the same time pressing LCD button of camera, MENU button and OK button. (TEST MODE)
 - c. Set up a camera like below picture. (It is whole dark condition around.)



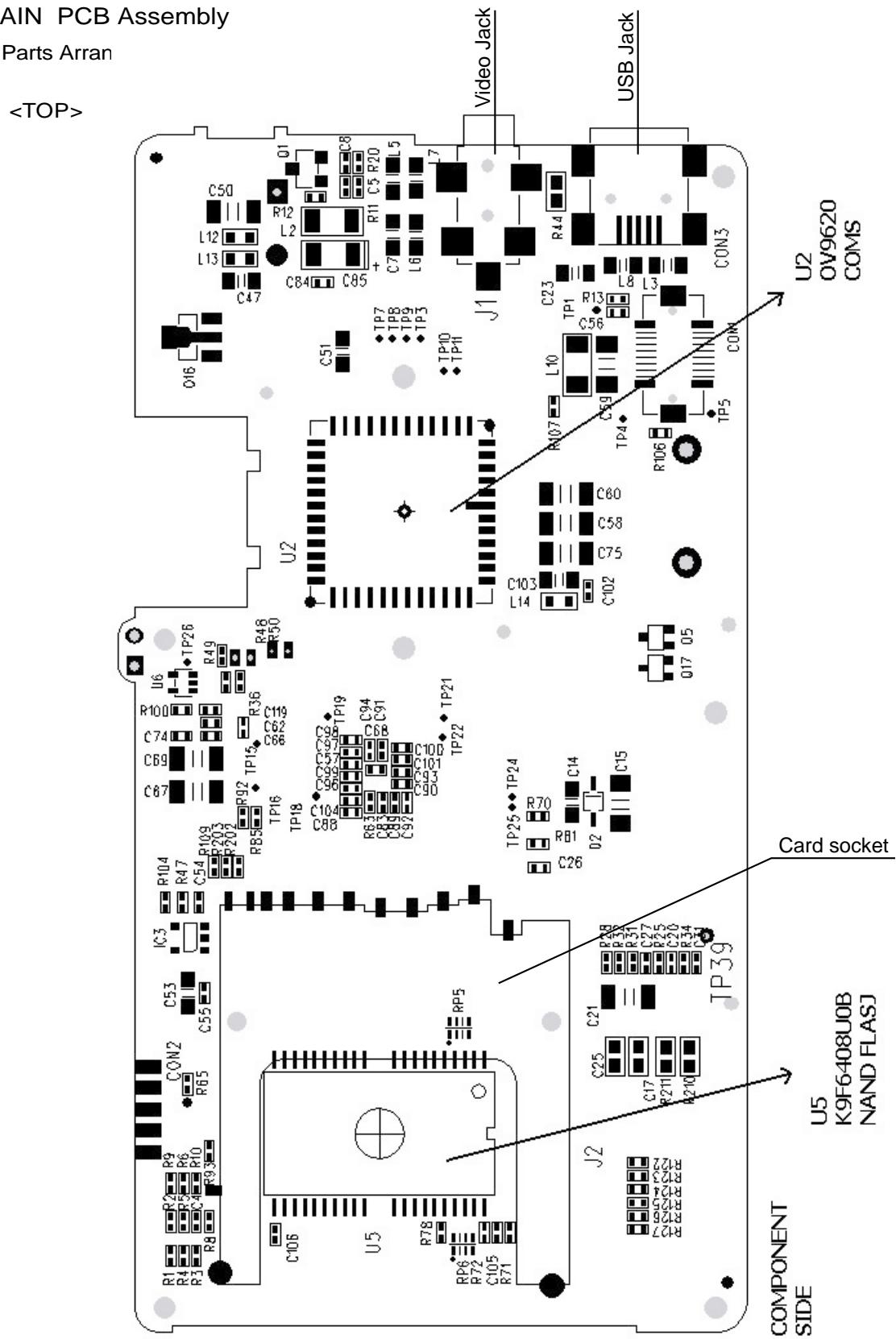
- d. In TEST mode, change it to Movie mode by pressing Mode button.
 - e. In Movie mode of TEST mode, if you press Left button, Strobo adjustment will progress automatically.
 - f. When finishing an adjustment, "OK" will appear on LCD.

V. PRODUCT CONSTRUCTION

1. PARTS ARRANGEMENT FOR EACH PCB ASS'Y

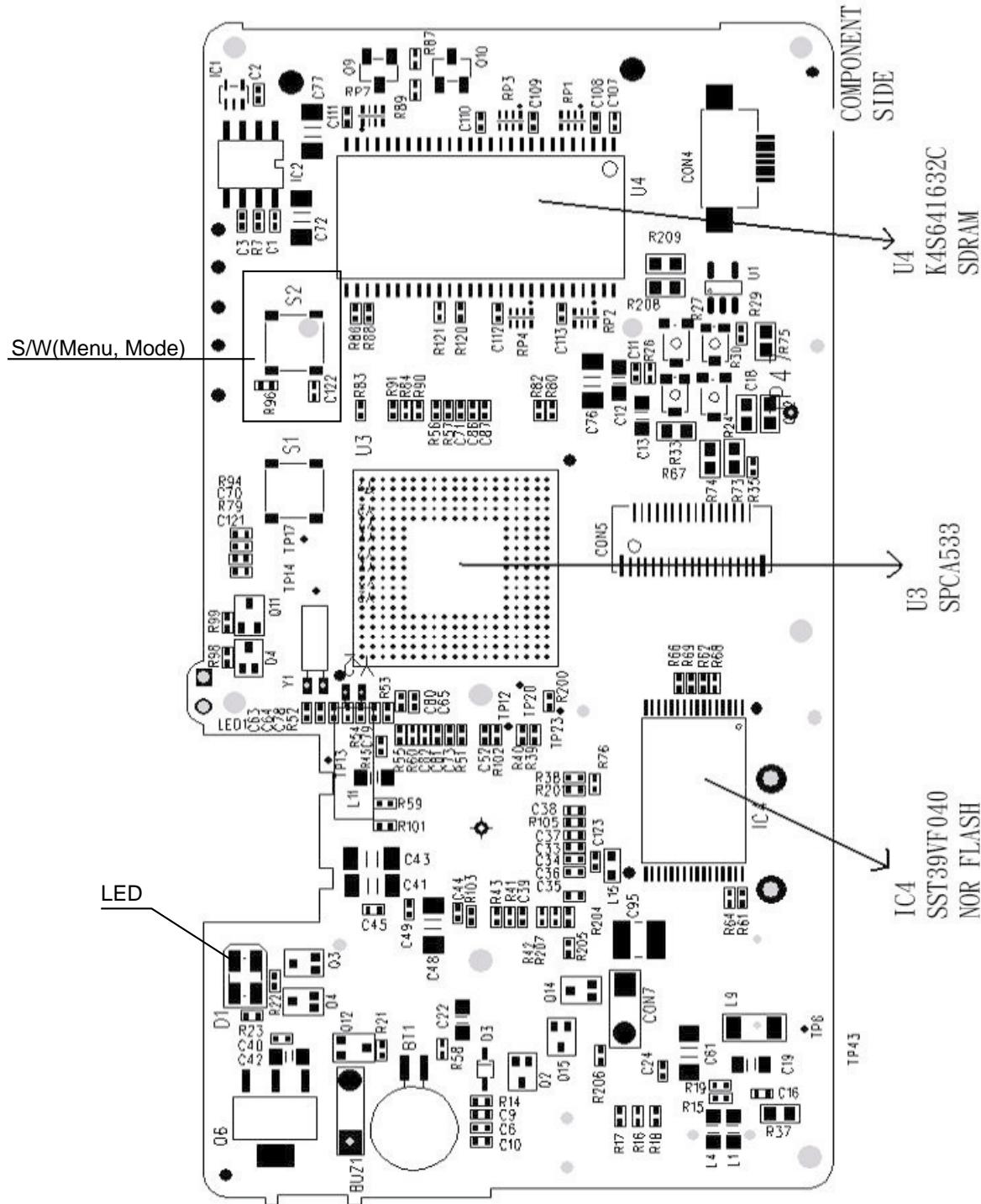
1) MAIN PCB Assembly

a) Parts Arran



V. PRODUCT CONSTRUCTION

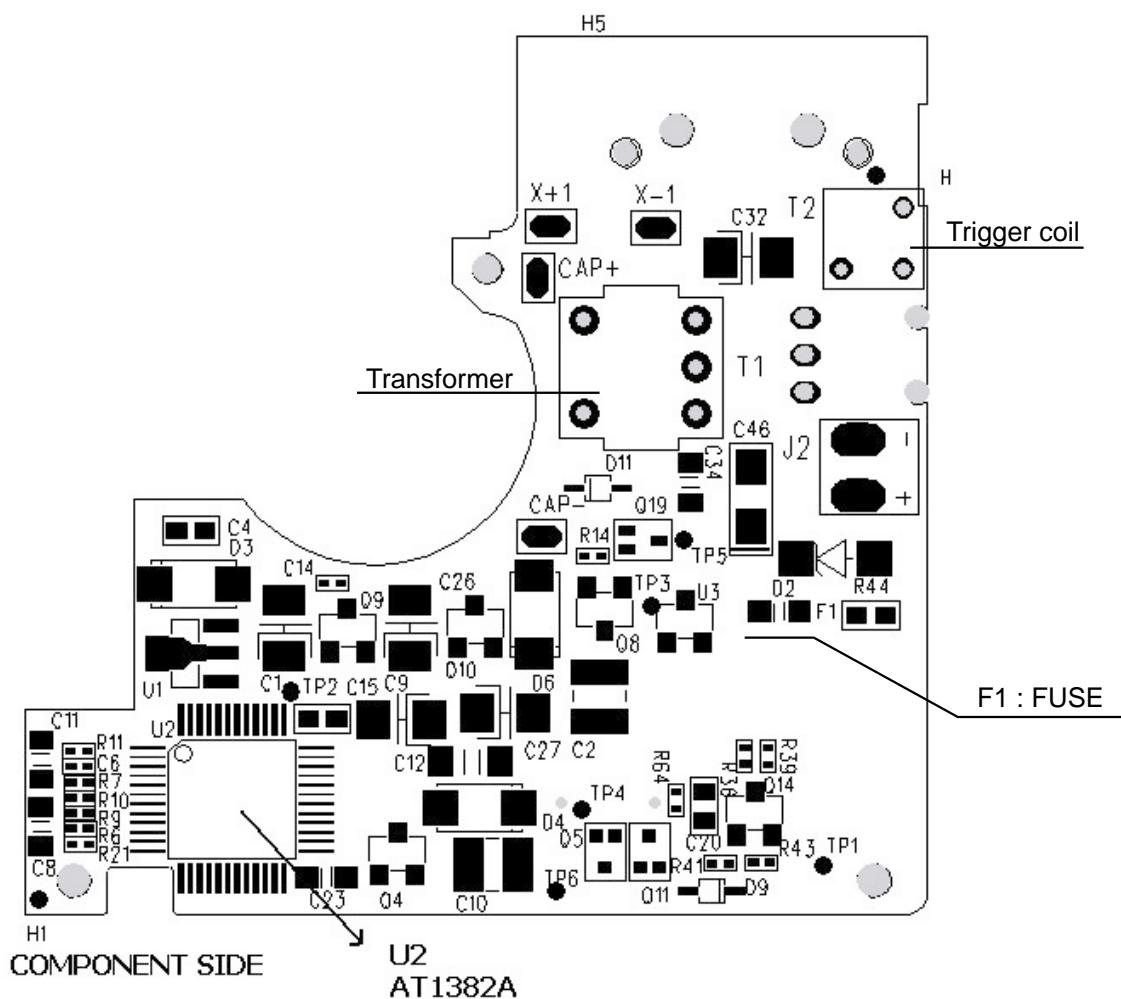
<BOTTOM>



2) POWER PCB Assembly

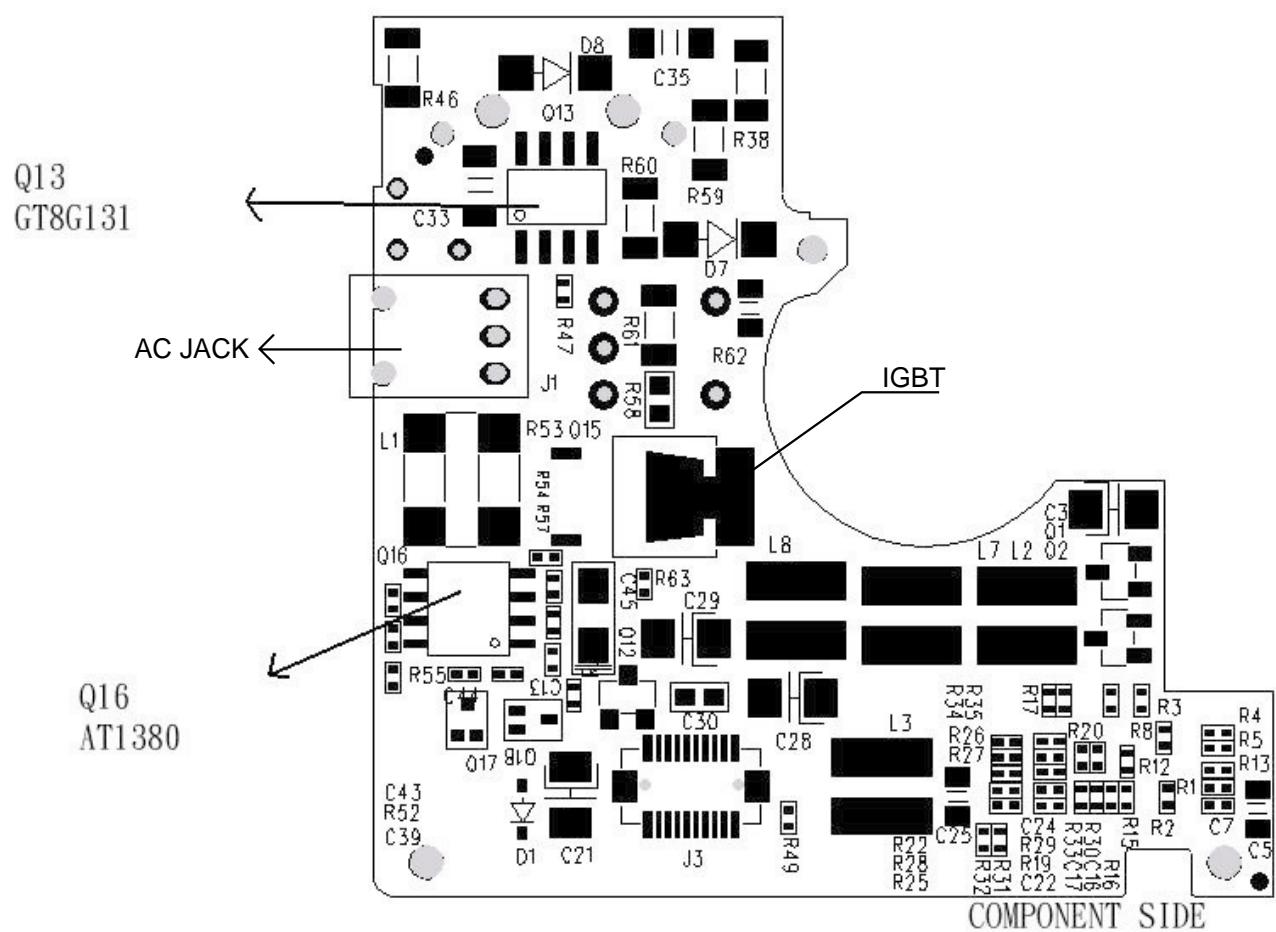
a) Parts Arrangement

<TOP>



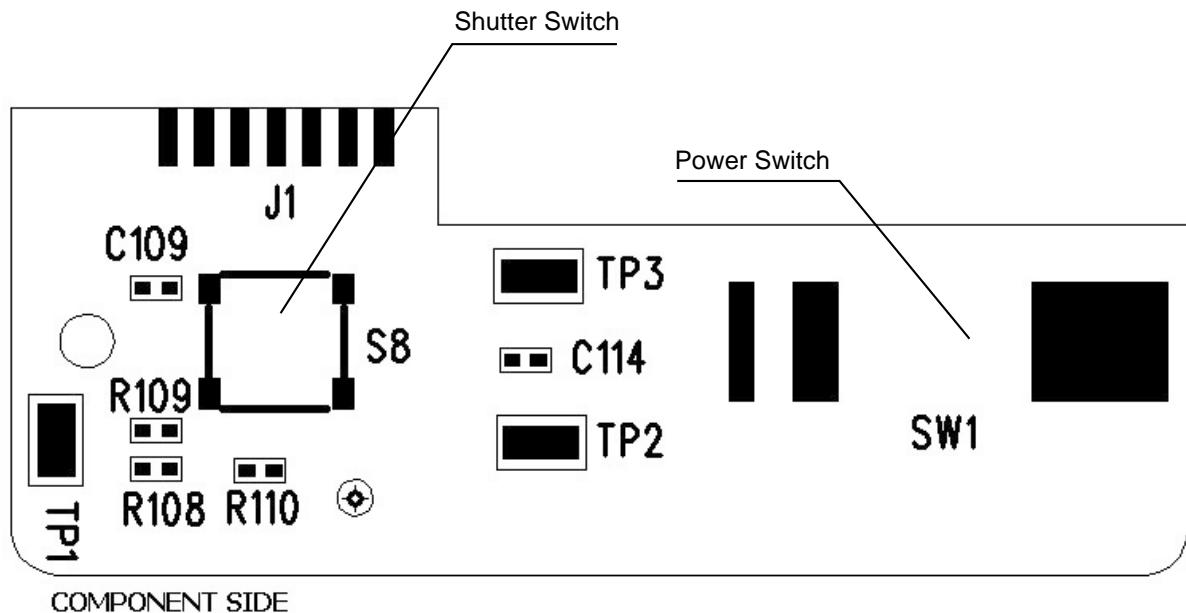
V. PRODUCT CONSTRUCTION

<BOTTOM>



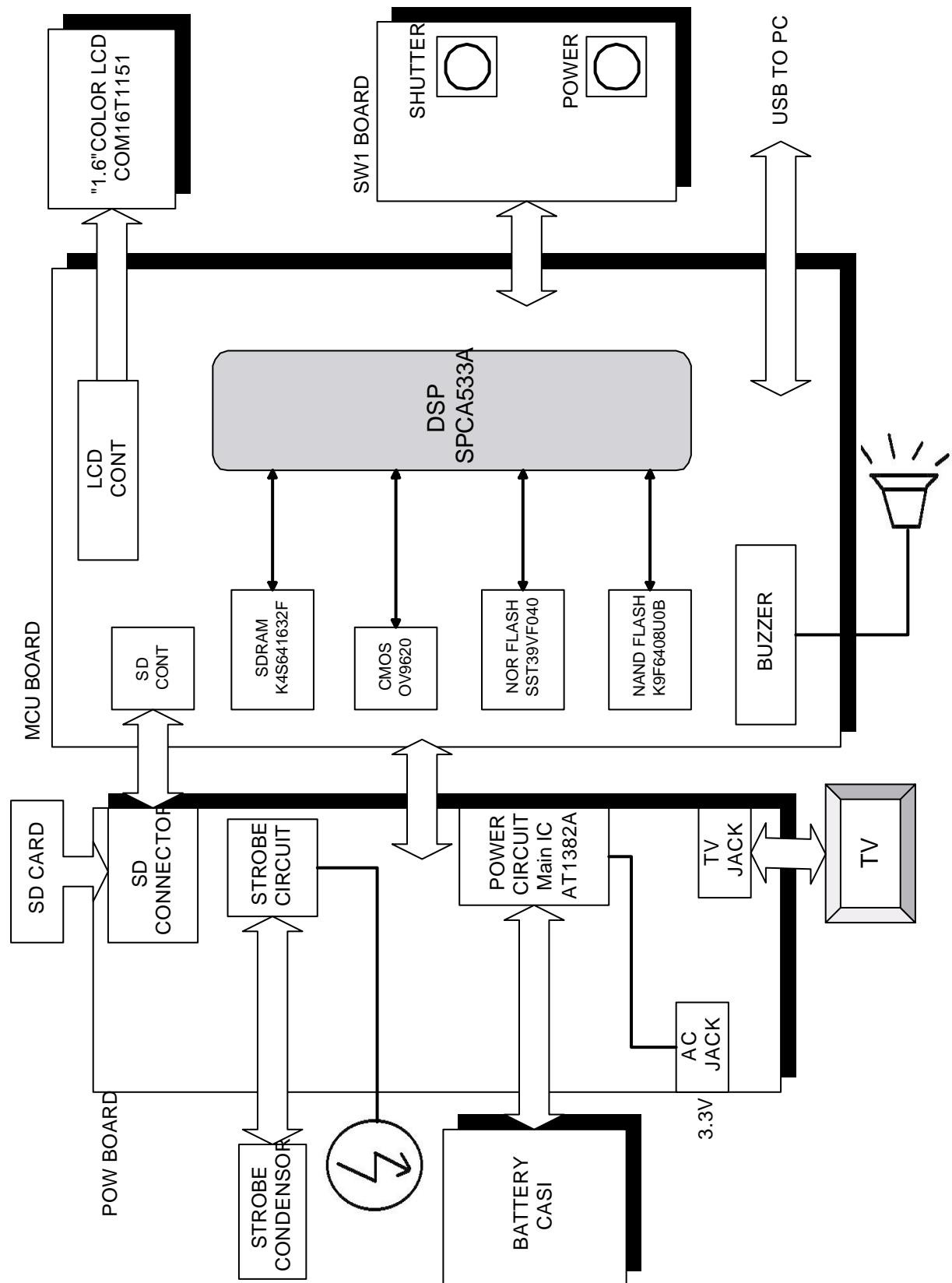
3) TOP PCB Assembly

a) Parts Arrangement



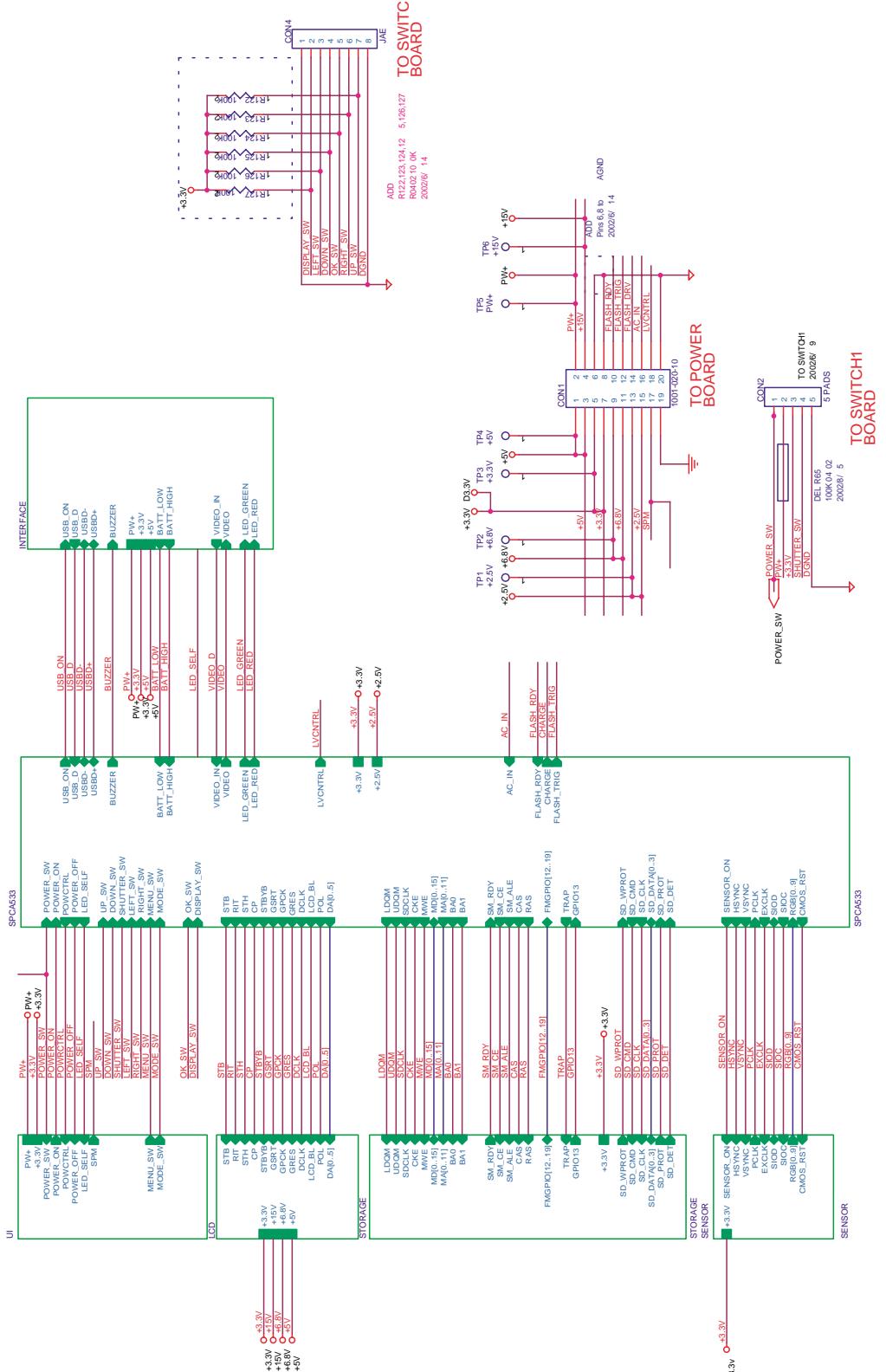
V. PRODUCT CONSTRUCTION

2. BLOCK DIAGRAM



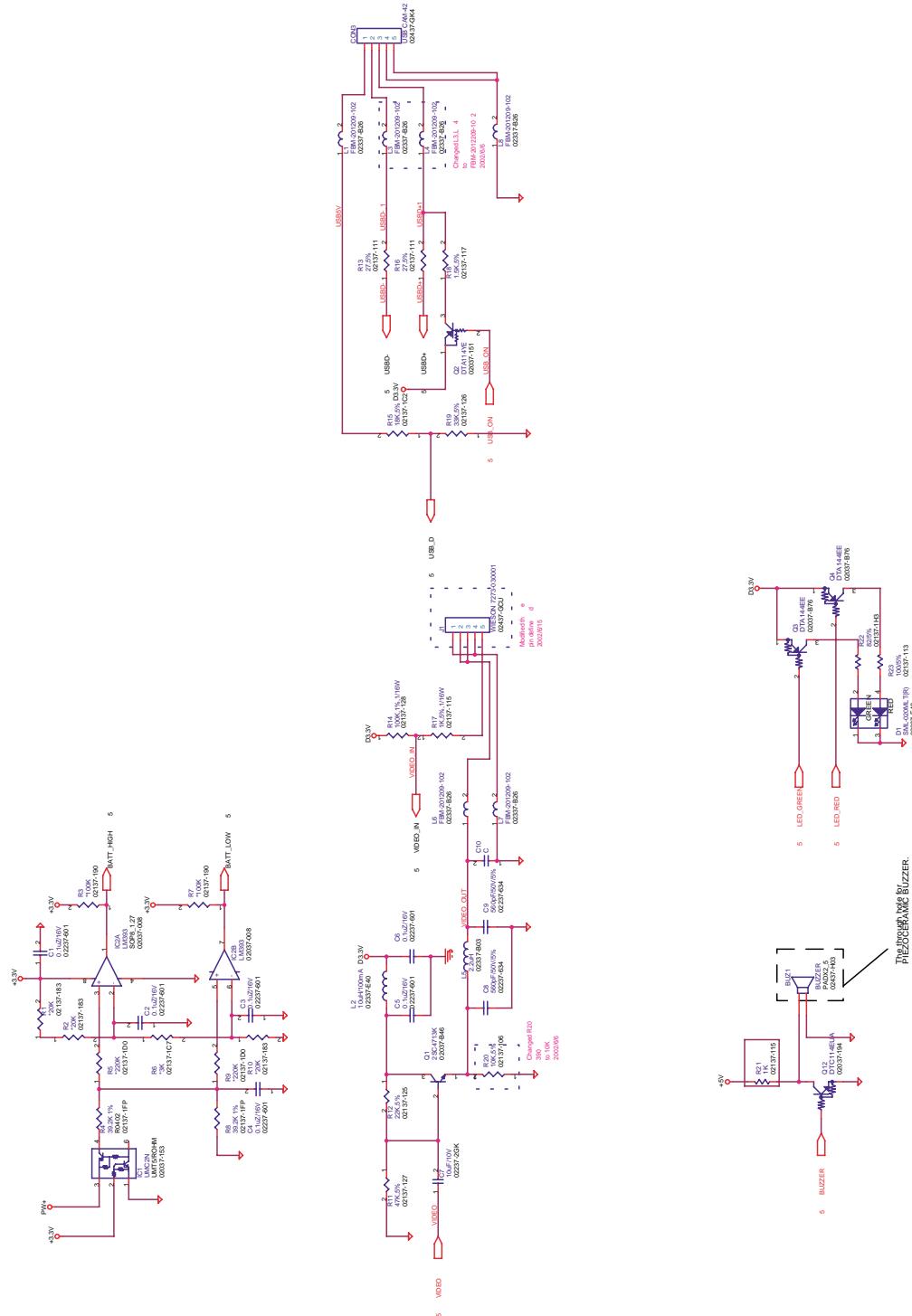
3. CIRCUIT DIAGRAM

1) Block diagram

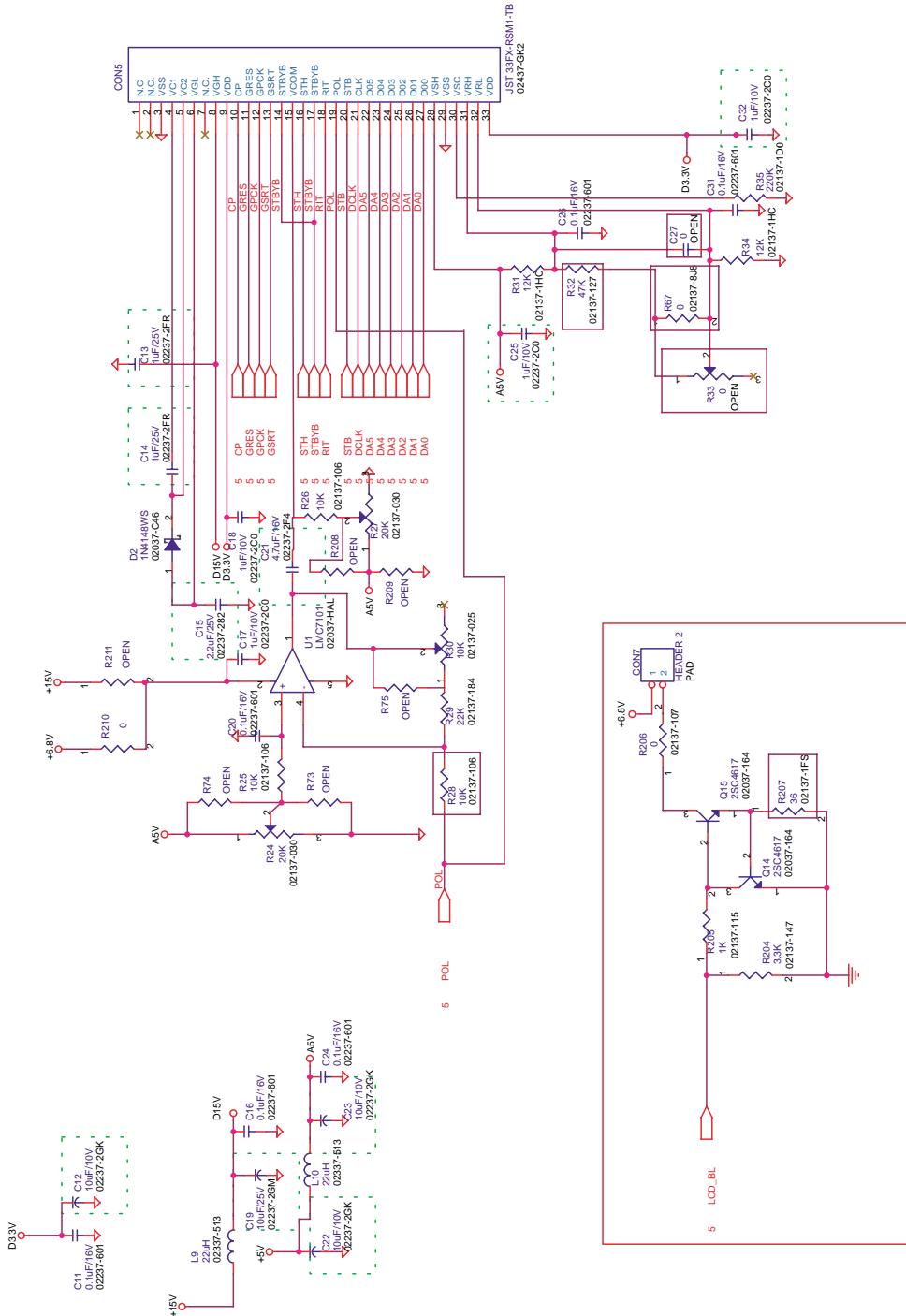


V. PRODUCT CONSTRUCTION

2) Interface

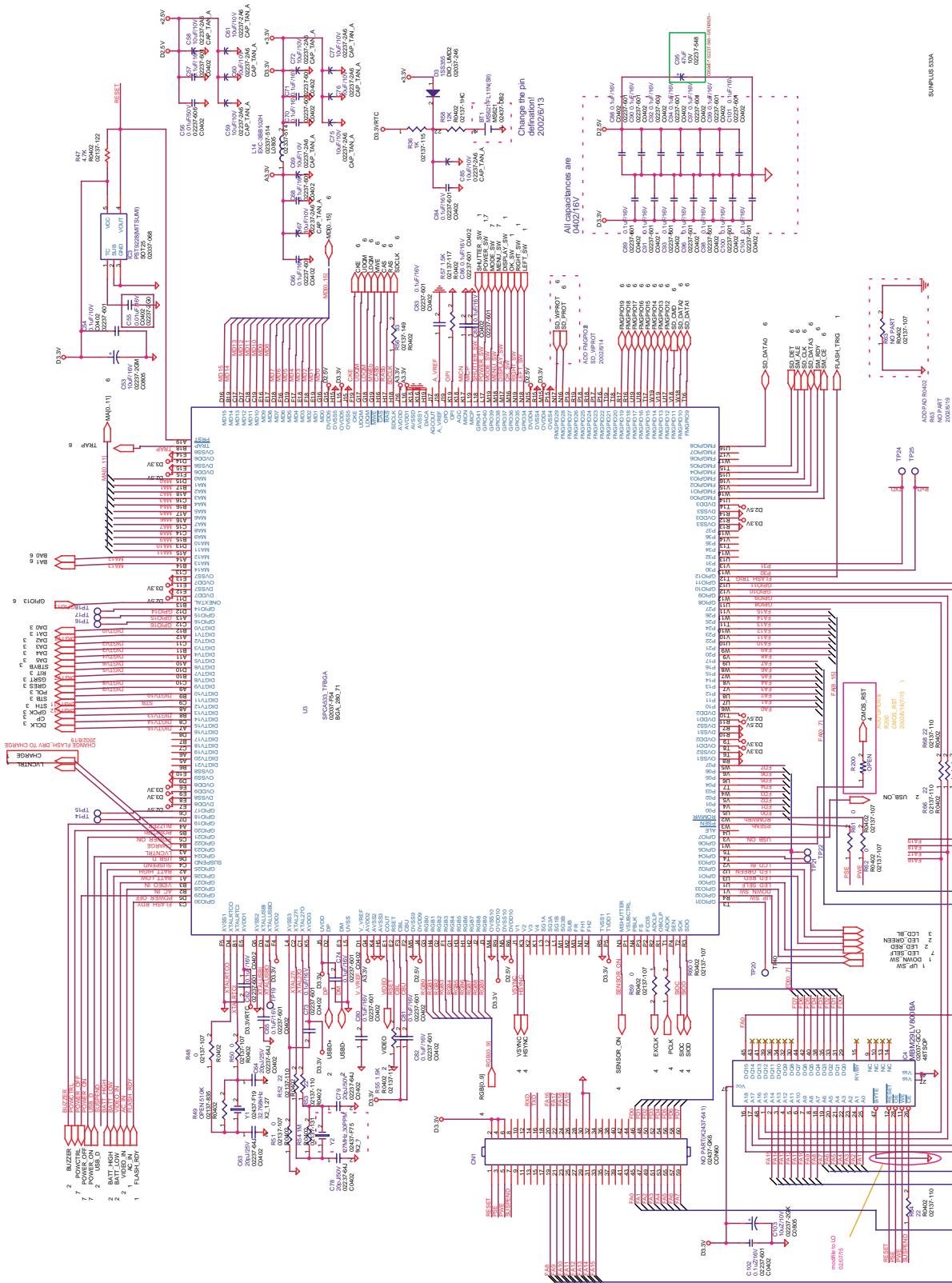


3) LCD



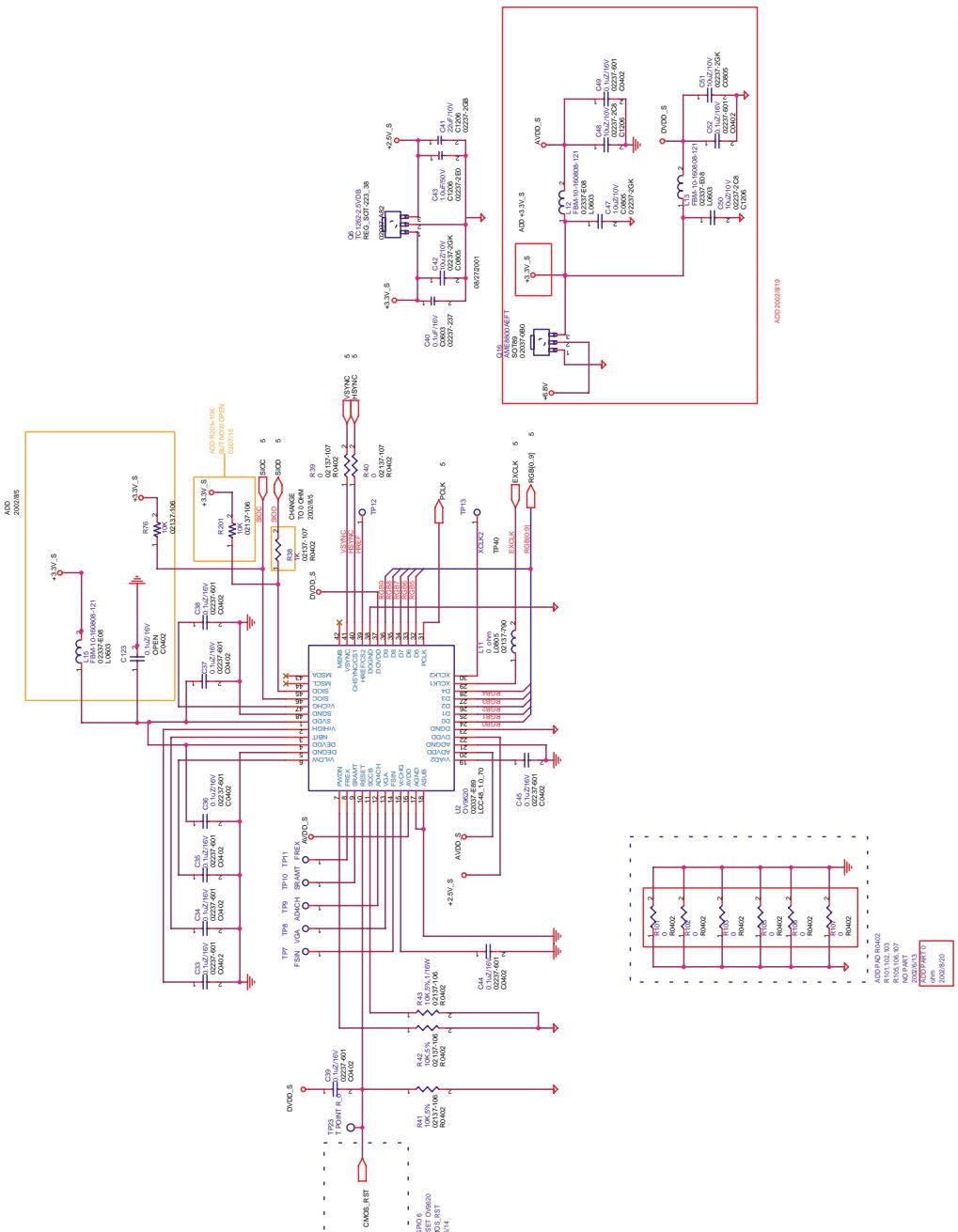
V. PRODUCT CONSTRUCTION

4) CPU



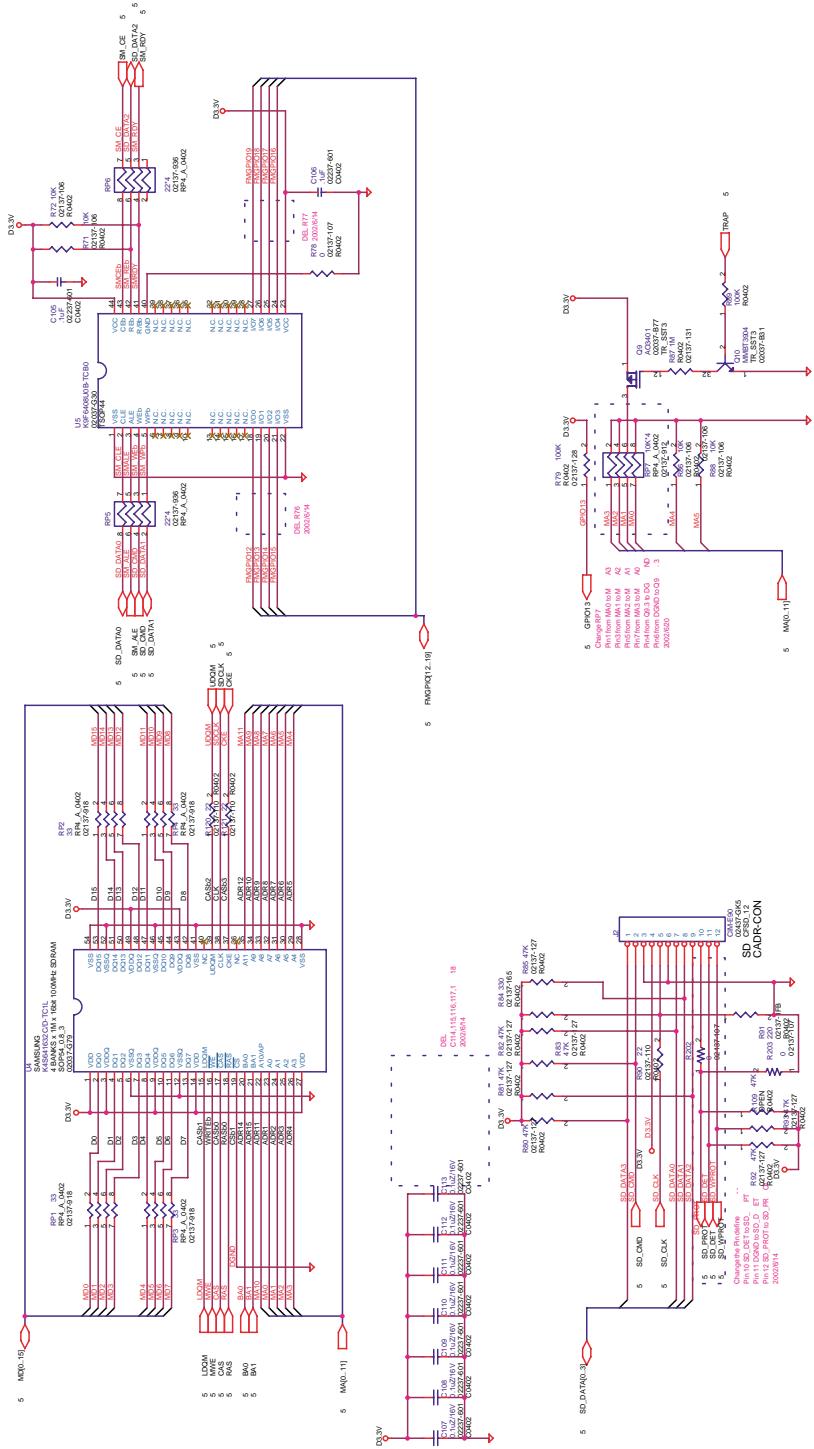
V. PRODUCT CONSTRUCTION

5) CMOS



V. PRODUCT CONSTRUCTION

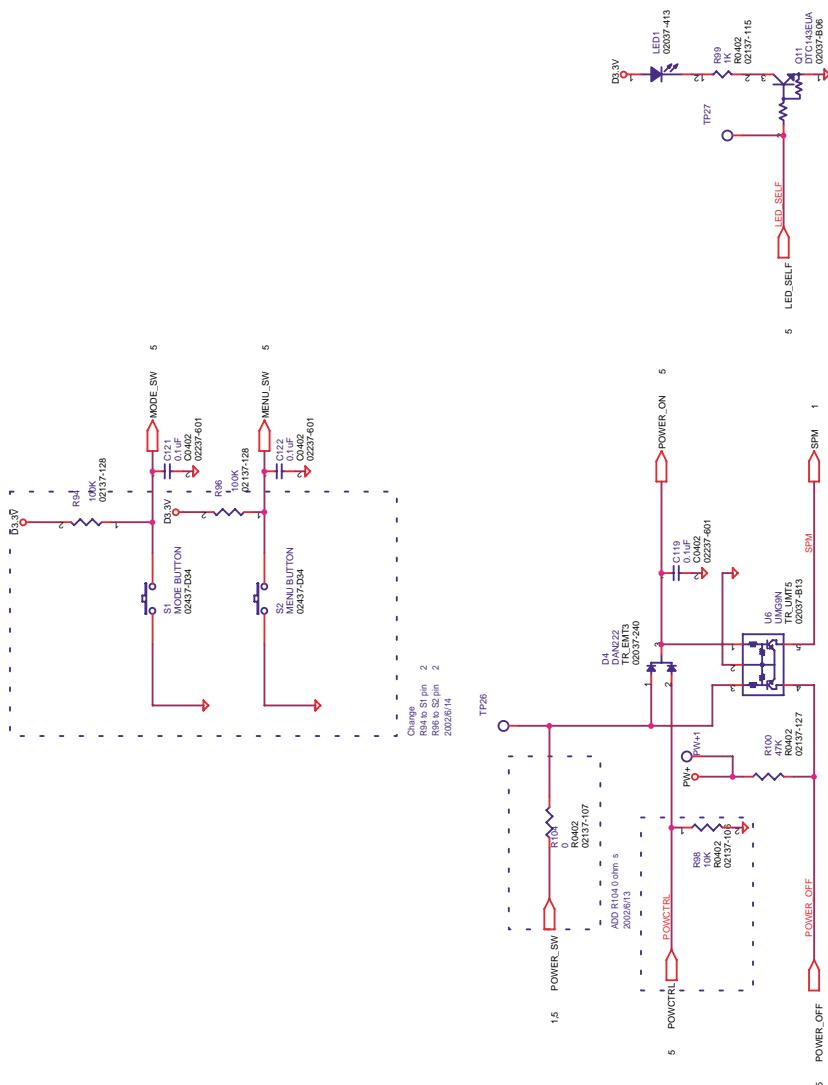
6) SDRAM, FLASH & SD CARD



SDRAM, FLASH & SD CARD

V. PRODUCT CONSTRUCTION

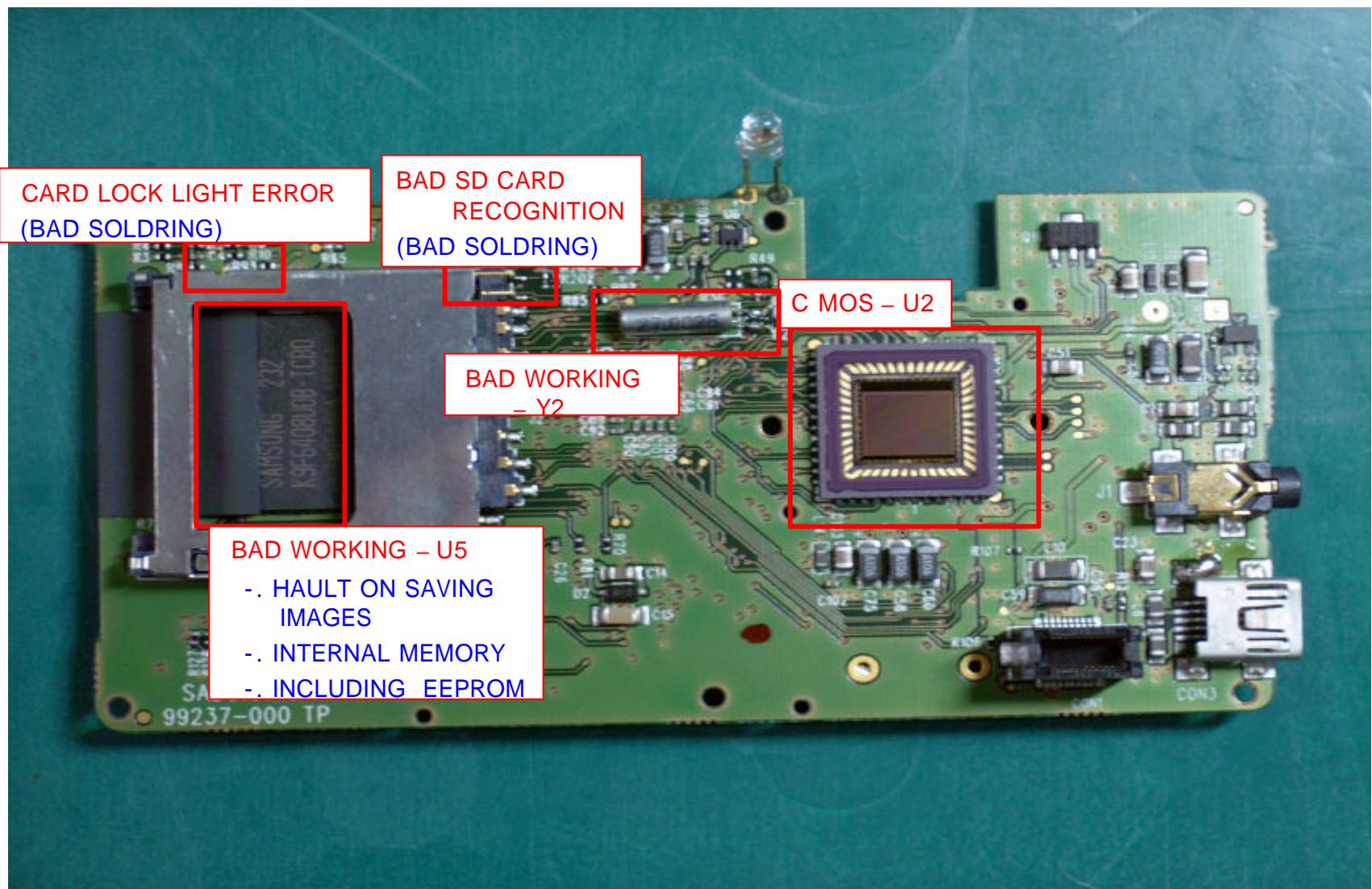
7) UI



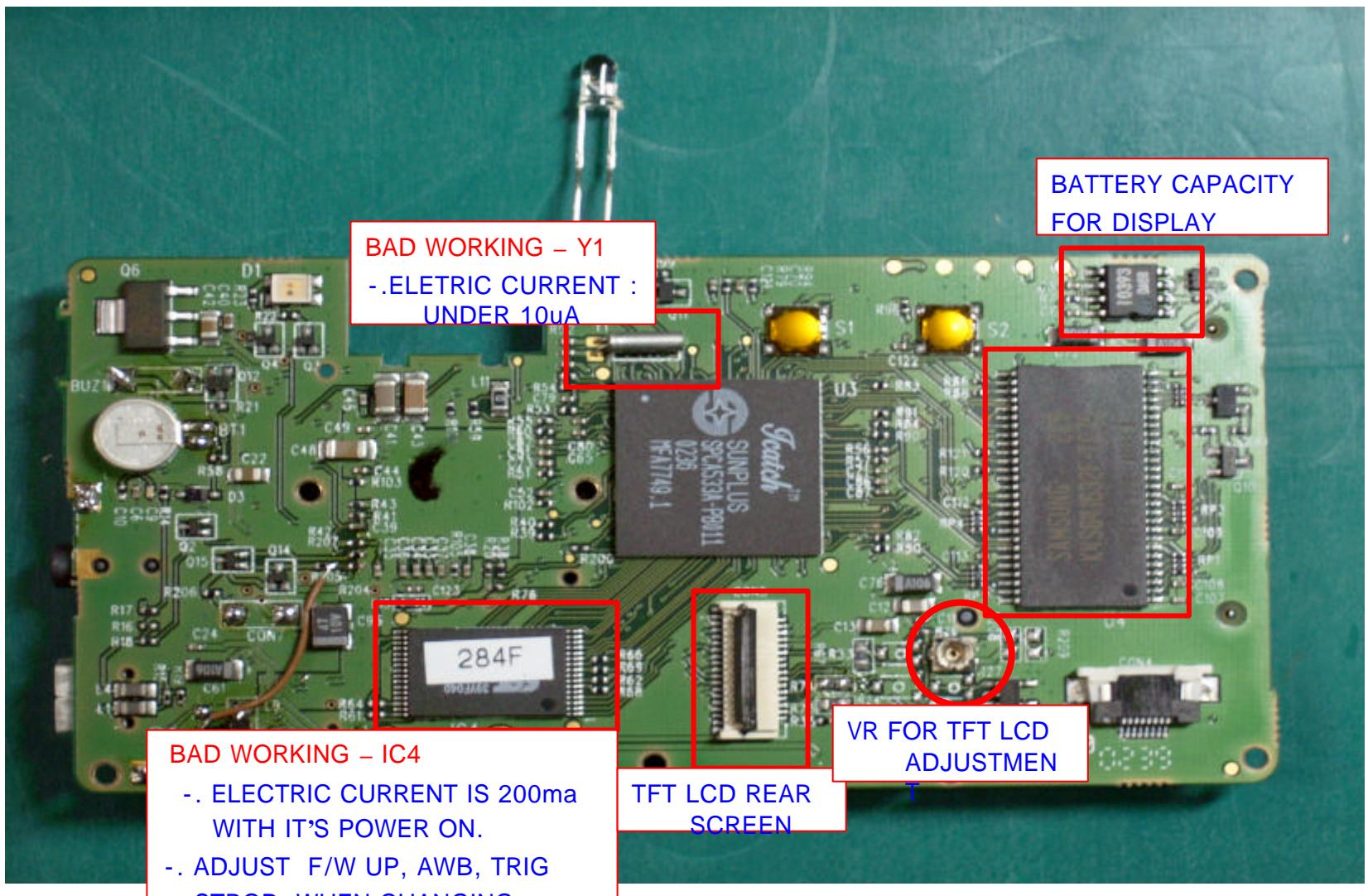
METHOD OF MAIN DISPRODUCT REPAIR IN EACH BOARD

MODEL : DIGIMAX 101

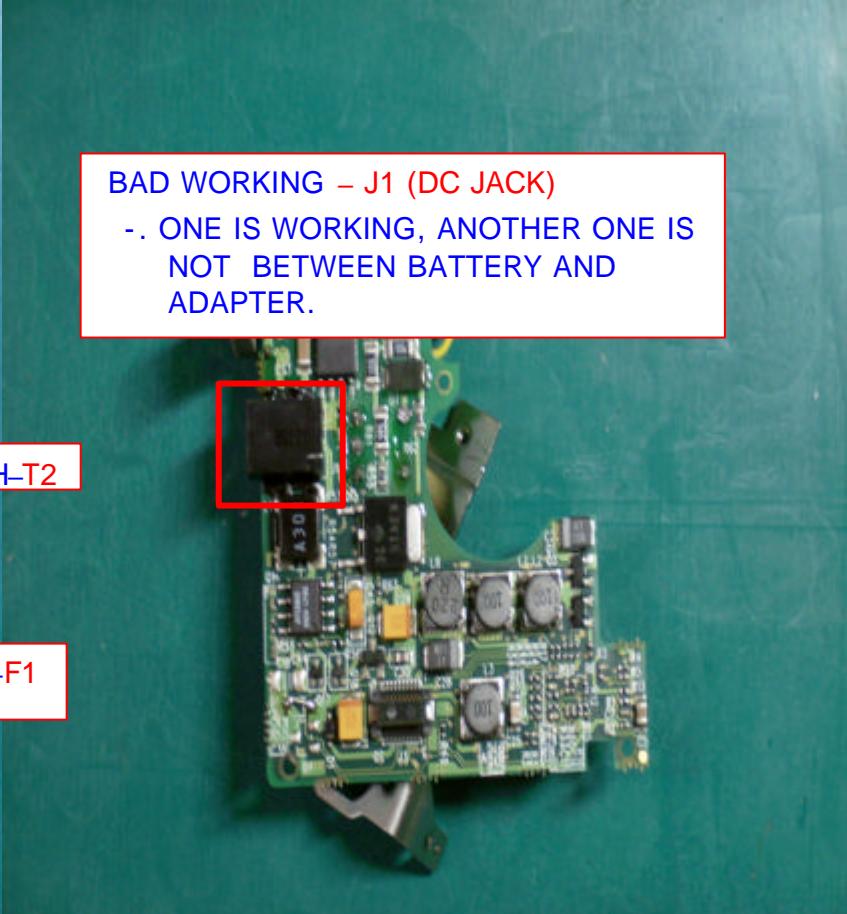
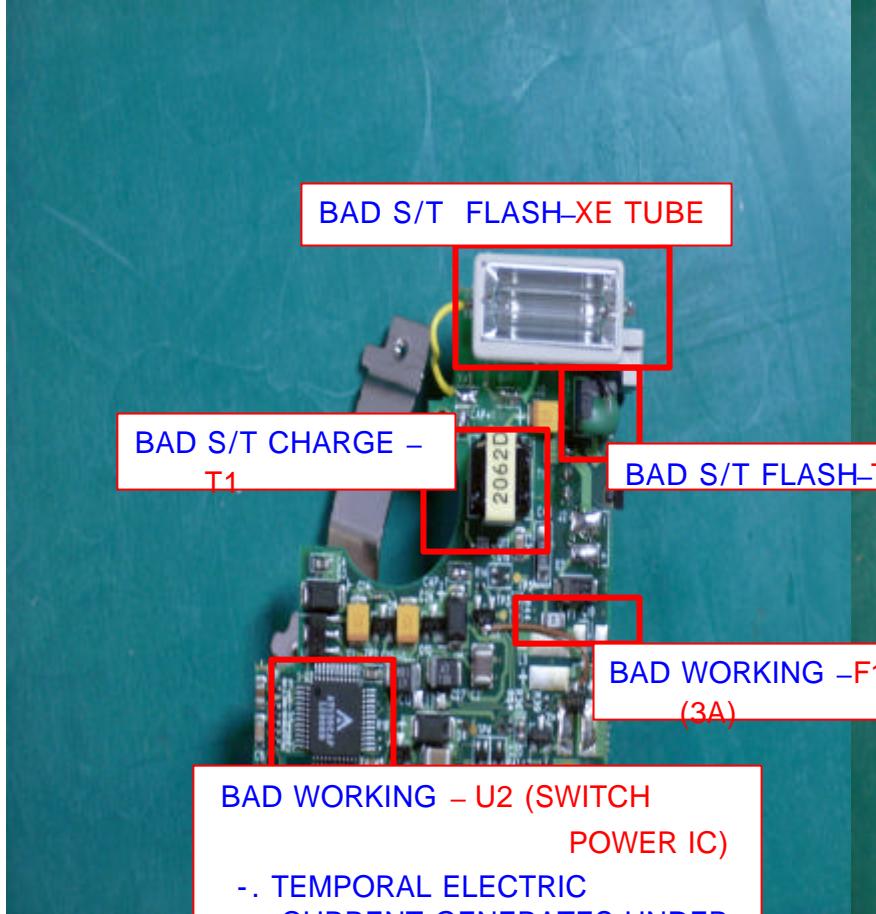
1. MAIN BOARD TOP



1. MAIN BOARD BOTTOM



2. STROBO DISPRODUCT



3. TOP BOARD



DG-101 DOMESTIC DISPRODUCT RECEPTION ANALYSIS

ORDER	BODY NO	PRODUCE DATE	DISPRODUCT NAME(EFFECT)	CAUSE
1		ALL	- . STRIP NOTSE WHEN TAKING A PICTURE IN WHITE BACKGROUND, AND IN FLUORESCENT LAMP.	- . WORKING ON FIRM WARE IMPROVEMENT
2	83108698 82602766 82603158 82605936 83108698	'03.01	- . DOESN'T WORK WITH "MEMORY FULL" LETTER. (MEMORY LETTER DOESN'T COME UP)	- . THERE IS AN ERROR WHEN SAVING IMAGES IN FLASH MEMORY. IF YOU FORMAT IN THE TEST MODE, IT WILL WORK
3	82607067 82602040 83105943	'02.12 '02.12 '03.01	- . POWER ON NG	- . FUSE(F1) SHORT
4	83108049	'03.01	- . POWER ON NG	- . POWER BOARD PART EROSION.
5	82602040	'02.12	- . POWER ON LED LIGHT HALT	- . SOLDERING DISPRODUCT OF POWER PCB Q2(SUB SYSTEM)
6	82602111	'02.12	- . POWER ON LED LIGHT HALT	- . BAD SOLDERING OF POWER PCB U2(AT1382)
7	83108149	'03.01	- . POWER ON	- . BAD SOLDERING OF POWER PCB L2
8	82606019	'02.12	- . POWER ON LED LIGHT HALT	- . ON AND OFF BY IC4(SDROM) FOR SAVING F/W ERROR.
9	82606530	'02.12	- . POWER ON NG	- . BAD SOLDERING FROM POWER PCB U3 TO U14 IN INTER CONNECT WIRE
10	83105943	'03.01	- . LCD TURNS WHITE WITH IT'S POWER ON.	- . BAD CONTACT OF LCD CONNECTOR CON5 DAMAGED CONNECTOR LOCK

DISPRODUCT #1	DISPRODUCT #8	DISPRODUCT #9	
DISPRODUCT #19 -#25	DISPRODUCT # 26	DISPRODUCT #29	